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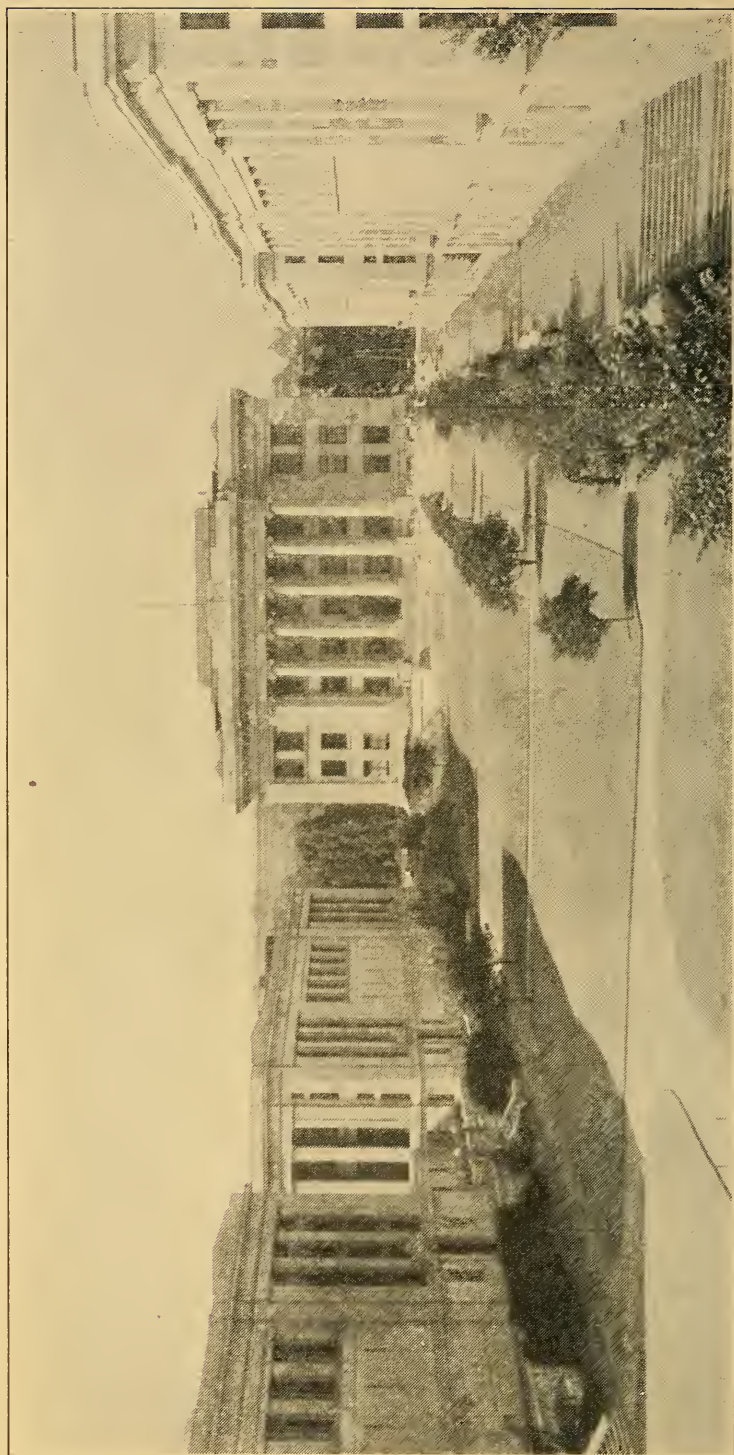


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1929-30



HARVARD MEDICAL SCHOOL

ANNOUNCEMENT
OF THE
MEDICAL SCHOOL
LONGWOOD AVENUE, BOSTON, MASS.
OF
HARVARD UNIVERSITY
FOR
1929-30

WITH AN ANNOUNCEMENT FOR 1930-31



PUBLISHED BY THE UNIVERSITY

1929

JULY						
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1930

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SEPTEMBER						
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DECEMBER						
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MEDICAL SCHOOL CALENDAR

1929.

- Sept. 20, Friday.* Registration of new students.
- Sept. 23, Monday.* **Academic Year begins.** Registration of Students. Payment of the first instalment of the tuition fee is required on this date.
- Oct. 12, Saturday.* Columbus Day : a holiday.
- Nov. 11, Monday.* Armistice Day : a holiday.
- Nov. 28, Thursday.* Thanksgiving Day : a holiday.
- Nov. 30, Saturday.* Payment of the second instalment of the tuition fee is required on or before this date.
- Dec. 2, Monday.* Last day for receiving applications for the Cheever, Haven and Hayden Scholarships.

RECESS FROM DEC. 23, 1929, TO JAN. 2, 1930, INCLUSIVE

1930.

- Jan. 1, Wednesday.* New Year's Day : a holiday.
- Jan. 15, Wednesday.* Last day for receiving applications from students to be qualified for the degrees of Ph.D. and A.M. in 1930.
- Jan. 29, Wednesday.* **Second half-year begins.**
- Jan. 30, Thursday.* Payment of the third instalment of the tuition fee is required on or before this date.
- Feb. 22, Saturday.* Washington's Birthday : a holiday.
- March 1, Saturday.* Last day for receiving applications for the Bullard, James Jackson Cabot and Moseley Travelling Fellowships.
- April 1, Tuesday.* Last day for receiving dissertations for the Bowdoin Prizes and the Toppan Biennial Prize.

RECESS FROM APRIL 6 TO APRIL 13, INCLUSIVE

April 19, Saturday. Patriots' Day : a holiday.

April 30, Wednesday. Payment of the fourth instalment of the tuition fee is required on or before this date.

May 1, Thursday. Last day for receiving dissertations for the Dante and Sumner Prizes.

May 1, Thursday. Last day for receiving applications for Scholarships for 1929-30 (except the Cheever, Haven and Hayden Scholarships).

May 1, Thursday. Last day for receiving applications of candidates for the degree of M.D. in 1929.

May 30, Friday. Memorial Day : a holiday.

June 19, Thursday. Commencement.

SUMMER VACATION, FROM COMMENCEMENT TO SEPTEMBER 21, INCLUSIVE

THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE

This Board is commonly known as the CORPORATION.

PRESIDENT

ABBOTT LAWRENCE LOWELL, A.B., LL.B., LL.D., PH.D.
17 Quincy St., Cambridge

FELLOWS

JEREMIAH SMITH, JR., A.B., LL.B. 1 Federal St., Boston

WILLIAM LAWRENCE, A.B., D.D., LL.D., D.C.L.
122 Commonwealth Ave., Boston

JOHN FARWELL MOORS, A.M., LL.D. 32 Mt. Vernon St., Boston

THOMAS NELSON PERKINS, A.B., LL.B., LL.D.
50 Federal St., Boston

CHARLES PELHAM CURTIS, JR., A.B. 47 Ames Bldg., Boston

TREASURER

HENRY LEE SHATTUCK, A.B., LL.B. 50 State St., Boston

DEPUTY TREASURER

GORHAM BROOKS, A.B. 50 State St., Boston

SECRETARY TO THE CORPORATION

FRANCIS WELLES HUNNEWELL, A.B., LL.B.
5 University Hall, Cambridge

THE BOARD OF OVERSEERS

The PRESIDENT and TREASURER of the University, *ex officio*, and the following persons by election :—

1930*

CHARLES MOORE, PH.D., LL.D. 1719 H St., Washington, D.C.
GEORGE RUSSELL AGASSIZ, A.B. 14 Ashburton Place, Boston
ROLAND WILLIAM BOYDEN, A.B., LL.B., LL.D.
50 Federal St., Boston
FREDERICK PICKERING CABOT, A.M., LL.B. 53 State St., Boston
LEARNED HAND, A.B., A.M., LL.B.
Old Post Office Bldg., New York, N.Y.

1931

GEORGE ANGIER GORDON, A.B., D.D., LL.D.
83 Longwood Ave., Brookline
MARK ANTHONY DEWOLFE HOWE, A.M., LITT.D.
26 Brimmer St., Boston
ALBERT THOMPSON PERKINS, A.M.
3869 Park Ave., St. Louis, Mo.
ARTHUR WOODS, A.M., LL.D. 61 Broadway, New York, N.Y.
BARRETT WENDELL, JR., A.B. 209 South La Salle St., Chicago, Ill.

1932

LEBARON RUSSELL BRIGGS, A.M., LL.D., LITT.D.
R. F. D. 1, Bournedale
FRANKLIN SWIFT BILLINGS, A.B. Woodstock, Vt.
PHILIP STOCKTON, A.B. 17 Court St., Boston
THOMAS JEFFERSON COOLIDGE, A.B.
Old Colony Trust Co., Court St., Boston

* The term expires, in each case, on Commencement Day of the year indicated.

1933

JULIAN WILLIAM MACK, LL.B.

Woolworth Building, New York, N.Y.

JAMES HANDASYD PERKINS, A. B. 22 William St., New York, N.Y.

ROGER WOLCOTT, A.B., LL.B. 60 State St., Boston

EDWARD MALLINCKRODT, JR., A.M.

3600 North Second St., St. Louis, Mo.

ELLIOTT CARR CUTLER, A.B., M.D.

Lakeside Hospital, Cleveland, Ohio

1934

HOMER GAGE, A.B., A.M., M.D. 8 Chestnut St., Worcester

JOSEPH LEE, A.B., A.M., LL.B., LL.D. 96 Mt. Vernon St., Boston

JESSE ISIDOR STRAUS, A.B. 1317 Broadway, New York, N.Y.

MARK SULLIVAN, A.B., LL.B. 1701 H St., Washington, D.C.

LEVERETT SALTONSTALL, A.B., LL.B.

608 Shawmut Bank Building, Boston

1935

CHARLES ALLERTON COOLIDGE, A.B., ART.D.

122 Ames Bldg., Boston

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1208 Eutaw Pl., Baltimore, Md.

HUGH CABOT, A.B., M.D. 2031 Hill St., Ann Arbor, Mich.

HENRY JAMES, A.B., LL.B. 36 W. 44th St., New York, N.Y.

WILLIAM TUDOR GARDINER, A.B. Augusta, Me.

SECRETARY OF THE BOARD OF OVERSEERS

WINTHROP HOWLAND WADE, A.M., LL.B.

909 Atlantic National Bank Building, Boston

MEDICAL SCHOOL

FACULTY OF MEDICINE *

ADDRESS†

ABBOTT LAWRENCE LOWELL, LL.B., LL.D., PRESIDENT,	17 Quincy St., Cambridge.
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WORTH HALE, M.D., <i>Assistant Dean of the Faculty of Medicine, and Associate Professor of Pharmacology,</i>	Harvard Medical School.
MILTON J. ROSENAU, M.D., A.M., <i>Charles Wilder Pro- fessor of Preventive Medicine and Hygiene,</i>	Harvard Medical School.
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WILLIAM H. ROBEY, M.D., <i>Clinical Professor of Med- icine,</i>	202 Commonwealth Ave.
OTTO FOLIN, Ph.D., S.D., M.D., <i>Hamilton Kuhn Pro- fessor of Biological Chemistry,</i>	Harvard Medical School.
HARRIS P. MOSHER, M.D., S.D., <i>Professor of Laryngology,</i>	828 Beacon St.
FRANKLIN S. NEWELL, M.D., <i>Professor of Clinical Obstetrics,</i>	443 Beacon St.

* Arranged, with the exception of the President, Dean, and Assistant Dean, on the basis of collegiate seniority.

† The address is Boston unless otherwise stated.

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Boston Sanatorium, Mattapan.
- ROBERT B. OSGOOD, M.D., *John B. and Buckminster Brown Professor of Orthopaedic Surgery*,
372 Marlborough St.
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Harvard Medical School.
- *WALTER B. CANNON, M.D., S.D., LL.D., *George Higinson Professor of Physiology*,
Harvard Medical School.
- GEORGE S. DERBY, M.D., *Williams Professor of Ophthalmology*,
5 Bay State Road.
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Harvard Medical School.
- DAVID CHEEVER, M.D., *Associate Professor of Surgery*,
Peter Bent Brigham Hospital.
- FREDERIC T. LEWIS, M.D., *Associate Professor of Embryology*,
Harvard Medical School.
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* Leave of absence, 1930.

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- SIMON DWORKIN, M.D., *Research Fellow in Physiology*
and *Fellow of the National Research Council*, Harvard Medical School.
- JOHN T. EDSALL, M.D., *Research Fellow in Physical*
Chemistry, Harvard Medical School.
- WILLIAM C. EGLOFF, M.D., *Assistant in Medicine*,
Peter Bent Brigham Hospital.
- SIDNEY FARBER, M.D., *Instructor in Pathology*,
Harvard Medical School.
- JOHN M. FLYNN, M.D., *Assistant in Medicine*, 520 Commonwealth Ave.
- MAGNUS I. GREGERSEN, A.M., *Instructor in Physi-*
ology, Harvard Medical School.
- JOHN L. JACOBS, M.D., *Assistant in Bacteriology and*
Immunology, Harvard Medical School.
- CLYDE E. KEELER, S.D., *Research Fellow in Ophthal-*
mology, Bussey Institution, Forest Hills.
- MILTON O. LEE, PH.D., *Research Fellow in Physiology*,
Harvard Medical School.
- JACOB LERMAN, M.D., *Research Fellow in Medicine*,
Massachusetts General Hospital.
- FRANK W. MARLOW, JR., M.D., *Assistant in Medi-*
cine, 1284 Beacon St., Brookline.
- STANLEY J. G. NOWAK, M.D., *Assistant in Surg-*
ery, Boston City Hospital.
- ELBERT L. PERSONS, M.D., *Teaching Fellow in*
Medicine, Massachusetts General Hospital.
- VLADIMIR A. PERTZOFF, A.M., *Research Fellow in*
Physical Chemistry, Harvard Medical School.
- HAROLD D. PYLE, M.D., *Assistant in Pediatrics*,
Children's Hospital.
- GORDON C. RING, A.M., *Teaching Fellow in Physiology*,
Harvard Medical School.
- ALAN S. ROSS, M.D., *Research Fellow in Pediatrics*,
Children's Hospital.
- HERBERT WALKER, ED.M., *Instructor in Physical Edu-*
cation, Vanderbilt Hall.
- JEFFRIES WYMAN, PH.D., *Research Fellow in Physical*
Chemistry, Harvard Medical School.

- RICHARD T. BEEBE, M.D., *Research Fellow in Medicine*,
Thorndike Memorial Laboratory, Boston City Hospital.
- CECIL C. COLE, A.B., *Teaching Fellow in Histology*,
Harvard Medical School.
- JOSEPH S. DEFRATES, PH.D., *Austin Teaching Fellow in Biological Chemistry*,
Harvard Medical School.
- ROBERT E. FLEMING, S.B., *Teaching Fellow in Histology*,
105 Myrtle St.
- CLAY G. HUFF, S.D., *Research Fellow in Tropical Medicine*,
Harvard Medical School.
- ROBERT F. McGRATH, M.D., *Assistant in Medicine*,
Peter Bent Brigham Hospital.
- JOHN B. McKENNA, M.D., *Assistant in Neuropathology*,
20 Harrison St., Brookline.
- OVID O. MEYER, M.D., *Research Fellow in Medicine*,
Huntington Memorial Hospital.
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- FRANCIS D. PIERCE, M.D., *Teaching Fellow in Medicine*,
Massachusetts General Hospital.
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- GEORGE P. ROBB, M.D., *Assistant in Medicine*,
Huntington Memorial Hospital.
- JACKSON M. THOMAS, M.D., *Research Fellow in Psychiatry*,
74 Fenwood Road.
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Harvard Medical School.
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Harvard Medical School.
- JOSEPH R. HOBBS, S.D., *Austin Teaching Fellow in Comparative Pathology*,
Harvard Medical School.
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Thorndike Memorial Laboratory, Boston City Hospital.
- STACY R. METTIER, M.D., *Assistant in Medicine*,
Thorndike Memorial Laboratory, Boston City Hospital.
- IRVIN S. DANIELSON, M.S., *Teaching Fellow in Biological Chemistry*,
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Thorndike Memorial Laboratory, Boston City Hospital.
- RICHARD W. B. ELLIS, M.B., *Research Fellow in Pediatrics*,
Children's Hospital.

- GEORGE E. LEWIS, M.B., *Research Fellow in Medicine*,
Thorndike Memorial Laboratory, Boston City Hospital.
- SAMUEL B. NADLER, A.B., *Teaching Fellow in Biological Chemistry*,
3 Shepard St., Cambridge.
- GALE E. WILSON, S.B., *Austin Teaching Fellow in Histology*,
Harvard Medical School.
- CHESTER W. HAMPEL, A.M., *Teaching Fellow in Physiology*,
Harvard Medical School.
- GEORGE H. HITCHINGS, S.M., *Teaching Fellow in Biological Chemistry*,
Harvard Medical School.
- FREDERICK KELLOGG, A.M., *Teaching Fellow in Pharmacology*,
Harvard Medical School.
-
- MYRTELLE M. CANAVAN, M.D., *Curator of the Warren Museum*,
Harvard Medical School.

ADMINISTRATIVE OFFICERS OF THE MEDICAL SCHOOL

- President:* ABBOTT LAWRENCE LOWELL, LL.B., LL.D., PH.D.
Office, 5 University Hall, Cambridge.
- Dean:* DAVID L. EDSALL, M.D., S.D.
Office, Room 101, Administration Building, Medical School. Office hours by appointment.
- Assistant Dean:* WORTH HALE, M.D.
Office, Room 101, Administration Building, Medical School. Office hours, Monday, Tuesday, Wednesday, and Friday, 4 to 5 P.M., and by appointment.
- Secretary:* LOUISA C. RICHARDSON, A.B.
Office, Room 101, Administration Building, Medical School.
- Director of Scholarships in the Medical School:* GEORGE P. DENNY, M.D.
Office, Room 111, Administration Building, Medical School. Office hours, daily, except Saturday, 3.30-5 P.M.
- Director of Appointments for Medical Alumni:* GEORGE P. DENNY, M.D.
Office, Room 111, Administration Building. Office hours, daily, except Saturday, 3.30-5 P.M.
- Chairman of the Division of Medical Sciences of the Faculty of Arts and Sciences:* REID HUNT, M.D., PH.D., S.D., Harvard Medical School.
Office hours by appointment.
- Physician to Students:* REGINALD FITZ, M.D.
- Assistant Physician to Students:* JOHN M. FLYNN, M.D.
Office hours, daily, 1-2 P.M., Rm. 108, Bldg. A., Harvard Medical School.
Telephone, Regent 5260.

The Bursar's Office is in Lehman Hall, Cambridge. It is open daily, except Sundays and holidays, from 9 to 5, † for the receipt of fees, payments, and other financial business.

† Saturdays, 9 to 1.

COMMITTEE OF PROFESSORS

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 KENNETH D. BLACKFAN, M.D., *Thomas Morgan Rotch Professor of Pediatrics.*
 HERRMAN L. BLUMGART, M.D., *Associate Professor of Medicine.*
 J. LEWIS BREMER, M.D., *Associate Professor of Histology.*
 RICHARD C. CABOT, M.D., *Professor of Clinical Medicine.*
 C. MACFIE CAMPBELL, M.D., *Professor of Psychiatry.*
 WALTER B. CANNON, M.D., S.D., LL.D., *George Higginson Professor of Physiology.*
 DAVID CHEEVER, M.D., *Associate Professor of Surgery.*
 HENRY A. CHRISTIAN, M.D., S.D., LL.D., *Hersey Professor of the Theory and Practice of Physic.*
 EDWARD D. CHURCHILL, M.D., *Associate Professor of Surgery.*
 STANLEY COBB, M.D., *Bullard Professor of Neuropathology.*
 EDWIN J. COHN, PH.D., *Associate Professor of Physical Chemistry.*
 HARVEY CUSHING, M.D., S.D., LL.D., LITT.D., *Moseley Professor of Surgery.*
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 ALEXANDER FORBES, M.D., *Associate Professor of Physiology.*
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- EDWARD P. RICHARDSON, M.D., *John Homans Professor of Surgery.*
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 HANS ZINSSER, M.D., *Professor of Bacteriology and Immunology.*

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OTHER COMMITTEES

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Admission to Advanced Standing. — WORTH HALE, *Chairman*, WALTER B. CANNON, EDWARD D. CHURCHILL, GEORGE R. MINOT, S. BURT WOLBACH.

Animals. — LOUIS A. SHAW, *Chairman*, WALTER B. CANNON, CECIL K. DRINKER, LLOYD D. FELTON, J. HOWARD MUELLER, WILLIAM C. QUINBY.

Artistic and Memorial Objects. — CHARLES A. COOLIDGE, *Chairman*, DAVID L. EDSALL, STANLEY COBB, EDWARD W. FORBES, HENRY LYMAN, ALFRED C. REDFIELD.

Assignment of Space. — J. HOWARD MUELLER, *Chairman*, DAVID L. EDSALL, WALTER B. CANNON, WORTH HALE.

Examinations. — DAVID L. EDSALL, *Chairman*, STANLEY COBB, *Vice-Chairman*, PRESIDENT LOWELL, WILLIAM S. THAYER, JOSEPH C. AUB, WALTER BAUER, KENNETH D. BLACKFAN, HERRMAN L. BLUMGART, ARLIE V. BOCK, EDWARD D. CHURCHILL, CECIL K. DRINKER, CYRUS H. FISKE, REGINALD FITZ, FRANK FREMONT-SMITH, JAMES L. GAMBLE, THOMAS R. GOETHALS, WORTH HALE, HENRY JACKSON, JR. CHESTER M. JONES, SAMUEL A. LEVINE, TRACY B. MALLORY, MONROE A. MCIVER, RICHARD H. MILLER, WILLIAM L. MOSS, FRANCIS C. NEWTON, WILLIAM R. OHLER, HENRY PINKERTON, WILLIAM C. QUINBY, FRANCIS M. RACKEMANN, EDWARD P. RICHARDSON, HUGH K. WARD, SOMA WEISS, PHILIP D. WILSON, WILLIAM B. CASTLE, *Secretary*.

Library. — REGINALD FITZ, *Chairman*, PHILIP DRINKER, CYRUS H. FISKE, JAMES L. GAMBLE, EDWARD C. STREETER, ERNEST E. TYZZER, EDWIN B. WILSON, S. BURT WOLBACH.

Public Lectures. — PERCY G. STILES, *Chairman*, REID HUNT, WILLIAM H. ROBESY, S. BURT WOLBACH.

Scholarships and Students' Aid. — GEORGE P. DENNY, *Chairman*, DAVID L. EDSALL, J. LEWIS BREMER, ALFRED C. REDFIELD, REID HUNT.

HARVARD MEDICAL SCHOOL BOSTON

REQUIREMENTS FOR ADMISSION

All candidates must present evidence satisfactory to the Committee on Admission not simply that they have passed the courses necessary to fulfil the requirements, but also that their scholarship and their general qualifications for medicine are such as to give promise of work of high quality in the medical course.

On the above basis this School considers for admission to its classes graduates in arts or in science of approved colleges or scientific schools.

In exceptional cases applicants without a degree who have completed two or more years of work in a college or scientific school of high rank, provided they present certificates that they have scholastic standing placing them in the first third of their class, may be admitted.

Credentials from foreign universities, in most cases, must be supplemented by a year or more of work in an American university. Admission cannot be assured, as all classes are limited.

LANGUAGE AND SCIENCE REQUIREMENTS *

(a) All applicants must present evidence that they have such knowledge of English as is ordinarily required of all candidates for a degree in an approved college and that they have a reading knowledge of French or of German.

(b) They must present evidence that they have *college credits* for at least a year's work in general inorganic chemistry, in physics, in biology, and in organic chemistry.

To meet the science requirements satisfactorily, time credit in college should be secured as follows:

Inorganic Chemistry: A minimum of eight semester hours, of which at least four should be laboratory work.

* It is assumed that before admission to an acceptable college a four years' course in High School or its equivalent will have been completed.

Organic Chemistry: A minimum of eight semester hours, of which at least four should be laboratory work.

Physics: A minimum of eight semester hours, of which at least two should be laboratory work.

Biology: A minimum of eight semester hours (including not less than four hours of zoölogy), of which at least four should be laboratory work.

NOTE. — A semester hour is one hour of lecture or recitation, or two hours of laboratory work, per week for one half-year or sixteen weeks. Full courses at Harvard count as eight semester hours.

These requirements must be satisfied in full before matriculation.

Applications should be filed as early as November and be completed not later than March 15, on blanks furnished by the Assistant Dean. The Committee makes its selection late in March, accepting one hundred and twenty-five men from about six hundred applicants.

ADMISSION TO ADVANCED STANDING

By increasing the classes to one hundred and thirty-five men in the third year, ten places, in addition to others caused by the withdrawal of the first and second year, are available for transfers from other medical schools. In exceptional cases men may be admitted to the second and fourth-year classes.

Only men of high scholastic standing will be considered. Full credit for work done elsewhere will be allowed as a rule but in certain cases additional work, especially in clinical pathology and in physical diagnosis, will be required.

They must have fulfilled the requirements for admission enumerated above prior to their matriculation as students of medicine. They must be vouched for as promising men by the Dean or by some other responsible officer of the School from which they come.

They must furnish a certificate of time spent in medical study at least equal to that spent by the class to which they seek admission.

They must furnish a certificate showing that they have done satisfactory laboratory and practical work in the subjects already pursued by the class to which they seek admission. The Committee on Admission will decide in each case whether examinations in the various subjects shall be required.

GENERAL REGULATIONS

Students registering in the Medical School for the first time will meet in the amphitheatre in Building C, on Friday, preceding the last Wednesday in September, at 9.30 A.M.

*In order that the time of study shall count as a full year, students of all upper classes * must register on Monday, the first day of the session.*

For special and approved purposes students may be allowed to take a portion of their work elsewhere than at the Harvard Medical School, provided that the application be approved by the Dean in consultation with the Administrative Board and the head of the department concerned, and provided that the student pass an examination on this work after its completion, conducted by a member of the Faculty of the Harvard Medical School.

EXAMINATIONS AND PROMOTION

Students are divided into four classes according to their time of study and proficiency. The Faculty reserves the right to require the withdrawal of any student at any time whenever in the opinion of his instructors it is manifest that he is incompetent, or for any reason is unfit to continue his course.

Each student will receive a rating in each course based upon examinations or other tests as determined by each department. These marks shall be on the scale of A, B, C, D, and E (E denoting failure).

No student is allowed to anticipate the examinations in the regular course of studies of his year except by special permission of the Administrative Board.

On entrance, each student will be interviewed by a member of the teaching staff and then assigned to an advisor. The relation between students and advisors is outside regular school duties with the exception of the thesis requirement.

A brief thesis is required of all matriculants, excepting transfer students to the third or fourth year. A suitable subject will be selected, under the guidance of an advisor, and the thesis must be completed by October 1st, of the student's third year.

After two failures to pass an examination each student must pay a fee of three dollars at the Dean's Office before appearing for each additional examination in the same subject.

A Promotion Board for each of the first three years, consisting of members of each department giving the principal courses during that year, will meet in February (if occasion arises), to act upon cases presented as a result of the work of the first half-year and will meet in June for the work of the entire year. The Boards will determine and send to the Dean's Office, before the final Faculty meeting in June, a mark for each student for the corresponding school year.

It is the duty of a Promotion Board, after receiving marks from the departments concerned, to promote those qualified, to warn or condition

* Excepting new students.

any student as occasion demands, to interview and examine any student as to whom it is in doubt, and to recommend to the Faculty that unpromising students be requested to withdraw.

The actions of the Promotion Boards are final, subject only to the standing rules of the Faculty which follow and to confirmation by that body. Students shall not ask for reconsideration from any member of the Promotion Boards. Such requests may be made only in case there is a change in the information upon which the action was taken, must be made in writing to the Assistant Dean, and must be in his hands before July 15th.

1. A student who fails two major subjects in one year shall withdraw from the School.

2. Passing in all subjects with a minimal grade is not sufficient grounds for promotion. Any student who has failed to be promoted under this rule, and who wishes to repeat the previous year, must apply to the Committee on Admission for permission to do so.

3. The Promotion Boards at their discretion may promote a student who has failed in one subject in a year, but such a student shall not be promoted a second time nor be allowed to take the General Examination until that failure is removed.

4. A student failing any course shall have an opportunity for reëxamination only in September or with a succeeding class or section. This rule shall not prevent a special examination, after a lapse of two months, for students who have been required to withdraw by the Promotion Boards.

5. No course marks may be given out except by the Dean or Assistant Dean.

The Committee on Examinations will give a General Examination to each candidate for the degree of M.D., will give him a final mark, and will recommend to the Faculty those properly qualified for the degree and for honors. The Examination will include written, oral or practical tests, at the discretion of the Committee. It will be held in June and provided there are qualified applicants in February and may be held at other times if the Committee so decides.

The conditions under which a student may be allowed to take his General Examination, and the character and conduct of the Examination, will be determined by the Committee, subject only to the rules of the Faculty which follow :

1. The Committee on Examinations shall not admit a student to the General Examination unless he has passed at least seven-eighths of his fourth-year courses, including medicine and surgery, and fulfilled all of the other requirements of the Faculty.

2. A student who has failed three times in a General Examination shall be debarred from further attempts.

WITHDRAWAL FROM THE SCHOOL

A student may withdraw from the School, upon application to the Assistant Dean. *Application for reinstatement must be made at least four months prior to the date of readmission.* If reinstatement is delayed more than a year, application must be made in competition with other candidates for admission. The return of fees and bond cancels registration.

DEGREES

DEGREE OF DOCTOR OF MEDICINE

Every candidate for the degree of DOCTOR OF MEDICINE at this University must be at least twenty-one years of age, and of good moral character. He must have fulfilled all the requirements for admission to this Medical School; give evidence of having studied in a recognized medical school at least four full years, of which one year must be spent in the regular fourth-year course of this School; have passed all the required examinations; have dissected the three parts of the body to the satisfaction of the demonstrator; have taken charge of and reported on twelve cases in Obstetrics under supervision and instruction; and furnish evidence of having engaged in the practical exercises in Medicine and Surgery.

The degree of Doctor of Medicine *cum laude* or *magna cum laude* may be given to students of highest rating in the class, on recommendation of the Committee on Examinations.

* Every candidate for the degree of M.D. must make application for it in writing on blanks furnished at the Dean's office, on or before *May 1* of the year in which he proposes to graduate.

HIGHER DEGREES IN THE MEDICAL SCIENCES

The degrees Master of Arts, Doctor of Philosophy, and Doctor of Medical Sciences have been established for advanced work in some special field in the Medical Sciences. The first two degrees are voted by the Faculty of Arts and Sciences upon the recommendation of a Committee consisting of members of the Faculties of Medicine and of Arts and Sciences. The degree of Doctor of Medical Sciences is administered by the above Committee, excepting the members from Harvard College, and the degree is voted by the Medical Faculty. All candidates for these degrees must hold a degree in Arts or in Sciences from an approved college. These degrees are not awarded for mere reason of faithful study for a prescribed time, but primarily for high attainment in a selected science.

MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

Candidates for the degree of Master of Arts must register in the Graduate School of Arts and Sciences, and pursue an approved course of study in medical science for at least one year.

Candidates for the degree of Doctor of Philosophy must fulfil certain preliminary requirements described in the general University Catalogue, must devote to approved advanced studies not less than two years — at least one of which must be spent in residence at this University — and must pass general examinations and present an account of original work in an accepted thesis, before being granted the degree.

The fees are \$400 for each year.

DOCTOR OF MEDICAL SCIENCES

Candidates for this degree must matriculate as medical students and complete with an honor grade the regular elementary courses offered by this School in Anatomy, Histology and Embryology, Physiology, Biological Chemistry, Bacteriology, Pathology, Pharmacology and Clinical Pathology, together with such other subjects as may be recommended by the Committee. In addition all candidates are required to have a reading knowledge of French and German. Ordinarily this preparatory training will be equivalent to the first two years of the course of study leading to the degree of M.D. Students who have completed all or a portion of this work in other approved medical schools may be admitted to candidacy upon presenting evidence that they have passed the above subjects or their equivalents with an honor grade, and upon passing the general examination described below.

Following the completion of this preliminary training the student shall devote himself for not less than two years to the intensive study of one of the fundamental medical sciences and to the preparation of a thesis. The thesis must show an original treatment of a fitting subject and give evidence of independent research.

There shall be two examinations for every candidate for this degree, a general examination, before entering upon the work of the last two years, covering the elementary medical sciences listed above; and a final examination, upon acceptance of the thesis, covering the particular medical science chosen as a special field.

The fees for the first two years are the same as for medical students.

Further information concerning the higher degrees may be secured from Dr. HALLOWELL DAVIS, Secretary of the Division of Medical Sciences, Harvard Medical School.

FEES AND EXPENSES

DEGREE OF DOCTOR OF MEDICINE

The fees are:—For matriculation, \$5; for instruction (including laboratory charges except breakage, damage and loss of apparatus), \$400 for each year. Students registered in or before the academic year 1926-27 will be allowed to complete their work under the tuition fees of 1926-27.

Tuition will be charged on the term-bills in four instalments, as follows:—

One-fourth on a term-bill issued and payable September 23.

One-fourth on a term-bill issued November 12 and payable November 30.

One-fourth on a term-bill issued January 13 and payable January 30.

One-fourth on a term-bill issued April 12 and payable April 30.

(Miscellaneous charges such as breakage, etc., on a term-bill issued June 13 and payable July 10.)

The matriculation fee will be charged on the term-bill of September 23. Bills for miscellaneous charges will be rendered at the time the indebtedness is incurred. A deposit of \$50 is required of every new student who accepts a place in the Medical School; this sum to be applied on his first term-bill or to be forfeited if the student does not register.

In the year 1927-28 a loan fund was established from which students entering the first-year class in 1927 or thereafter and who are in need of money may borrow. This money is loaned on business principles.

Applications must be made at least a month before each term bill is payable.

Loans will be made to students in the Second, Third, and Fourth-year Classes, and, in occasional instances only, to men in the second half of the First Year. Loans will be made only to students whose records have been sufficiently creditable to make it altogether probable that they will remain in the School.

Applications for loans should be made to the Director of Scholarships and Loans.

Any student whose indebtedness to the University remains unpaid on the date fixed for payment is deprived of the privileges of the University until he is reinstated. Reinstatement is obtained only by consent of the Dean of the Department in which the student is enrolled, after payment of all indebtedness and a reinstatement fee of \$10. *Students will be held responsible for the payment of fees until they have notified the Dean, in writing, of their intention to withdraw from the School, and have subsequently received their bond from the Bursar.*

Matriculants are required to own their microscopes and hemocytometers. These must be of a type acceptable to the Medical School. Their

cost will be about \$130.00. In exceptional cases, upon application to the Dean's Office before September 1, a matriculant may be permitted to rent a microscope.

A deposit of \$1 with the Superintendent of Buildings will entitle the student to the use of a locker in the School buildings.

Vanderbilt Hall, the Medical School dormitory, has accommodations for 250 students. The price of rooms ranges from \$135 to \$300 for the academic year of thirty-nine weeks. Applications for rooms in the dormitory should be sent to the Dean of the Medical School before May 1. Students permitted to reëngage their rooms must file at the Dean's Office new room agreements on or before March 10, 1930.

The dormitory contains a large dining hall which is available for all members of the Medical School. Meals are served at reasonable prices.

BOND REQUIRED OF STUDENTS

Every student is required to file with the Bursar on his entrance to the School a bond in the sum of \$500 signed by two bondsmen, one of whom must be a citizen of the United States, or by a surety company duly qualified to do business in Massachusetts, as security for the payment of his bills to the University; or he may deposit with the Bursar \$500 in United States bonds for the same purpose.

No officer or student of the University is accepted as a bondsman.

MEDICAL ATTENDANCE

The Medical School provides a physician to students, who will give physical examination or medical treatment without charge during his office hours, from 1 to 2 o'clock daily, except Saturdays, Peter Bent Brigham Hospital, or at other times by appointment.

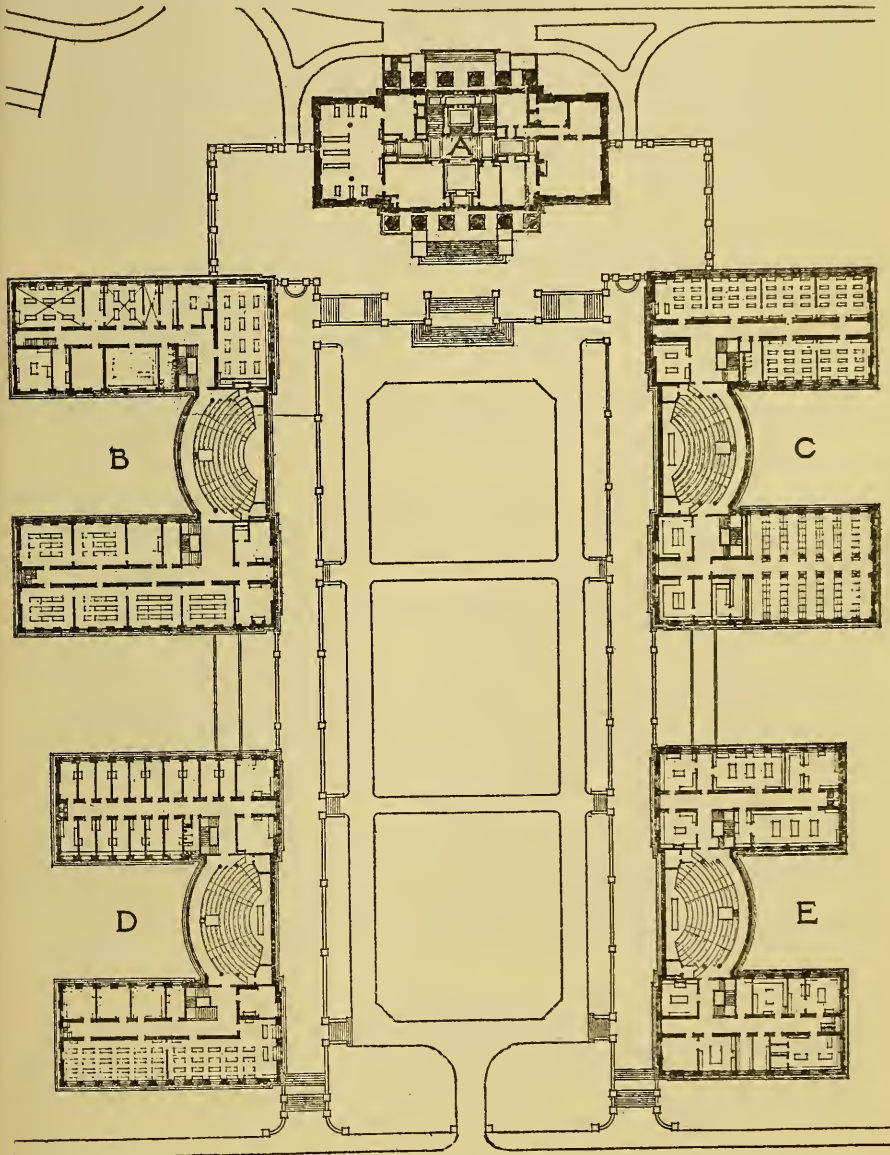
Under the auspices of the Department of Medicine a physical examination will be given each student during the academic year 1929-30.

Evidence of having been satisfactorily vaccinated is required for entrance to Harvard University.

Not later than October 1 in each academic year, any student may pay to the Bursar the sum of \$10 for the maintenance of the Stillman Infirmary; and, on the order of a physician, every student who has taken advantage of this opportunity will be given, in case of sickness, in return for the fee, a bed in a ward, board, and ordinary nursing for a period not exceeding two weeks in any one academic year.

BUILDINGS

The course in Medicine, established by Harvard University in 1782, was given in buildings of the College, University Hall and Holden Chapel, from its establishment until 1810, when the classes were transferred to Boston. In 1816 the first Medical School building was erected. From 1882 until 1906 the School occupied the building at the corner of Boylston and Exeter Streets, now used by Boston University.



OUTLINE PLAN OF THE HARVARD MEDICAL SCHOOL

In 1906 the University completed a notable group of white marble buildings on Longwood Avenue for the Medical School. These buildings are five in number and with their surrounding grounds occupy eleven acres of land in the outskirts of Boston. One of these is designed for administration and four for housing the laboratory departments, and for laboratory and clinical instruction.

The Administration Building, with over 40,000 square feet of floor space, contains the Faculty Room, the Dean's offices, the joint library of the Medical School and the School of Public Health, and the Warren Museum.

The laboratory buildings, designated by the letters B, C, D, and E, are all constructed on the same general plan. Each consists of two parallel wings united at the front by an amphitheatre with a seating capacity of two hundred and fifty. Both the smaller rooms and the laboratories were designed on a unit system which greatly simplifies the changes required in making these suited to the needs of departments whose methods of teaching have changed since the rooms were originally designed.

The amount of floor space varies considerably in each of the four buildings, but the design is such that this variation is not apparent from the main quadrangle.

Building B accommodates the department of Anatomy, Histology, and Embryology. The wings each have three floors and a total floor space of over 52,000 square feet.

Building C provides space for the departments of Physiology, Physical Chemistry, Biochemistry, and Experimental Surgery. In this building each wing has four floors and a total floor space of 62,000 square feet.

Building D is occupied by the departments of Bacteriology, Neuropathology, Pathology, and Tropical Medicine. In this building there are five floors in one wing and three floors in the other, with a total floor space of over 48,000 square feet. The Animal House is between buildings B and D.

Building E houses Pharmacology, Preventive Medicine, and Comparative Pathology. There are three floors in one wing and four floors in the other, with a floor space of 35,000 square feet.

The outline plan of the buildings and their position is shown on p. 40.

The clinical departments are housed in the various hospitals associated with the School. Vanderbilt Hall, the dormitory for medical students, is immediately adjacent to the Medical School buildings.

LIBRARIES

The joint library of the Medical School and the School of Public Health is on the second floor of the Administration Building, and in the other buildings are branch libraries. By an arrangement with the Peter Bent

Brigham Hospital, library facilities for the hospital are available here. This library is open from 9 A.M. until 10 P.M., on Saturdays from 9 A.M. until 1 P.M. The present number of volumes in the library is 52,876, and in addition there are 117,915 pamphlets and 464 current periodicals kept on file.

The College Library at Cambridge is open to the students of this School.

The Boston Public Library is open to students who are inhabitants of Boston. Students, not inhabitants of Boston, who have filed a bond at the Bursar's office, may also use this library. The Bursar will furnish on application the necessary certificate of bond.

The Boston Medical Library, No. 8 The Fenway, contains about 149,882 bound volumes and 98,871 pamphlets, and approximately 668 current periodicals are on file. This very valuable library is open to those who desire to consult medical literature, on week days from 9.30 A.M. to 10 P.M., on Saturdays till 6 P.M.

WARREN ANATOMICAL MUSEUM

The Warren Anatomical Museum was founded in 1847 by JOHN COLLINS WARREN, of the College Class of 1797, Adjunct Professor of Anatomy and Surgery from 1809 to 1815, Hersey Professor of Anatomy and Surgery from 1815 to 1847, Professor *Emeritus* from 1847 to his death in 1856, son of JOHN WARREN, the first Hersey Professor of Anatomy and Surgery. This important Museum is open to students in the School, and its collections are used in demonstration of the lectures. It occupies the upper three floors of the Administration Building. Myrtelle M. Canavan, M.D., is Curator.

The collection has over twenty thousand specimens, illustrating both normal and pathological anatomy. Students and graduates may have access to these specimens at any time upon application to the Curator.

Besides dissections and serial sections of bones, the anatomical collection includes many injections, corrosion preparations, models and groups of bones, notably the Dwight collection of spines, hands and feet, Tello collection of skulls, etc.

The pathological collection of "hand" specimens, conveniently housed in 40-gallon tanks, is for the use of students, and mounted specimens illustrate the major diseases.

There is a collection of medico-legal material which has a section to itself and forms a basis for teaching.

The American Ambulance of Paris has contributed a number of specimens from the European War, especially interesting for a student of military surgery.

HOSPITAL FACILITIES

The transfer in 1810 of the Medical School of Harvard University from Cambridge to Boston was made in order to secure the advantages of the larger clinical facilities which are to be found in large cities. Clinical advantages from the students' viewpoint are not a matter of large hospitals only, but rather are related to the number of patients in these hospitals who are under the care of instructors on the staff of the Medical School and available for teaching purposes. This School is closely affiliated on the above basis with the hospitals described in the following list, thus offering Harvard Medical School students an unrivaled opportunity to secure a well-organized clinical experience and knowledge of disease. Each student comes into intimate contact, under supervision, with patients in these hospitals, beginning in the second half of the second year and increasing until the fourth year, when the students serve as clinical clerks and give all their time to the study of patients.

The Massachusetts General Hospital. — This is a general hospital associated with the Medical School since its foundation in 1821. There are services in Medicine, Surgery, Pediatrics, Dermatology, Genito-Urinary diseases, Orthopaedics, Neurology, and Syphilis, all of which are used in giving instruction in these special departments of medicine. The hospital has 525 beds, 417 of them being available for teaching purposes. In the General Hospital 7,656 patients were admitted last year and there were 139,821 patients' days treatment. Large out-patient departments in the above clinical departments are also used for instruction. 46,355 new patients were admitted to the out-patient department last year for a total of 262,231 visits. 10,960 patients were treated in the Emergency Ward. Laboratories in Pathology, Chemistry, and X-ray are maintained, and there is an excellent medical library, all of which are open to students in the Medical School.

The Boston City Hospital. — This hospital which, in all its divisions, contains 1,877 beds, 1,123 of which are in the main hospital and all of which are available for teaching purposes, serves as one of the teaching units for the Medical School. The 2d and 4th Medical services, the 5th Surgical, the Neurological and Pathological services are under the direction of Professors at the Harvard Medical School. In addition there are divisions of Pediatrics, Gynaecology, etc., open to medical students. In the out-patient department, (main hospital and two Relief Stations) 85,626 new patients applied for diagnosis and treatment during the year 1928. They furnish additional teaching material. Clinical laboratories are maintained for research, pathology, nephritic, diabetic and basal metabolism, blood, pediatric, immunological and neurological work. The X-ray service is very large and important. Instruction to medical students is given here daily. There is an excellent library, including 69 current medical journals.

The Boston City Hospital, South Department.—This hospital is for contagious diseases and occupies a block by itself adjacent to the Boston City Hospital proper. It has a capacity of 338 beds and has abundant material for clinical instruction. Students make ward visits three or more times a week. During the year 1928 there were 1,934 cases treated, of which 699 were scarlet fever, 317 were diphtheria, and 355 were measles cases.

Hospital Department—Sanatorium Division.—The Boston Sanatorium for tuberculous patients at Mattapan is a department of the Boston City Hospital. It has a capacity of 341 beds and a daily average of 347 patients. On account of the removal of children from the institution, and the substitution of adult beds, the number of beds has been reduced. New buildings, affording increased bed capacity, are being erected. During eight months of the year two to six fourth-year students of Harvard Medical School spend eight hours daily for one week in this hospital under the supervision of the Resident Physician.

The Peter Bent Brigham Hospital.—This hospital has been closely associated with the Medical School since its dedication in 1913. It is for general medical and surgical cases, and is situated on grounds adjacent to the Medical School buildings. There are 246 beds, all of which are used for teaching purposes. There is also maintained an out-patient service for ambulatory medical and surgical patients to which 8,164 new patients applied during the past year. The total number of visits was 57,162. There are well-equipped medical, surgical, and pathological laboratories. The hospital, by special arrangement, makes use of the library of the Medical School.

The Children's Hospital.—The buildings of this hospital are on Longwood Avenue, adjacent to the Medical School. This hospital maintains a medical, surgical, orthopaedic, nose and throat, and a well-babies clinic. There are 224 beds, of which 176 are available for teaching purposes. During the year there were 5,732 cases treated in the wards, and 58,531 visits were made to the out-patient department. Well-equipped laboratories are provided for the study of material from the wards and out-patient service.

The Infants' Hospital (Thomas Morgan Rotch Jr. Memorial Hospital for Infants).—This hospital is adjacent to and under the management of the Children's Hospital. There are 66 beds, all of which are devoted to the care of infants. All of the cases in this hospital are available for teaching.

The Boston Lying-in Hospital.—This hospital occupies a building completed in 1923 at 221 Longwood Avenue. Of the 100 beds, 65 are used for teaching. During the past year 2,470 patients received treatment in the

hospital, of whom 2,037 were delivered. In addition, in the out-patient department, 1,216 cases were attended under supervision by third and fourth-year students. A well-equipped laboratory is available.

The Free Hospital for Women. — This hospital is devoted exclusively to the surgical treatment of diseases peculiar to women. The hospital has a capacity of 94 beds, of which 62 are available for teaching. In the out-patient department there were 6,666 consultations last year. Library and laboratory facilities are available.

Boston Psychopathic Hospital. — This is a state institution for acute, curable, incipient, and doubtful cases of mental disease. The hospital was opened to patients in June, 1912. It has 110 beds, all of which are available for teaching, and receives patients at the rate of about 1,800 a year. The hospital is equipped with psychological, neuropathological and biochemical laboratories. The out-patient department receives patients at the rate of over 1,000 a year. In addition to the psychoses and neuroses, the clinical material includes cases of mental defect and disorder in childhood, cases of mental instability, and of delinquency.

The Massachusetts Eye and Ear Infirmary. — There are 231 beds in this hospital, 189 of which are used for instruction in diseases of the eye, ear, nose and throat. Over 8,000 patients are treated in the wards, and last year there were 90,211 out-patient visits. Pathological and X-ray laboratories are maintained.

The Beth Israel Hospital. — This is a newly completed general hospital with a capacity of 187 beds, 110 of which are available for teaching. The institution is located on Brookline Avenue around the corner from the Harvard Medical School. The Hospital is equipped for teaching and research, having a medical research and pathological laboratory, each under the direction of a full-time physician who is associated with the Faculty of the Harvard Medical School. There are also electrocardiograph and basal-metabolism laboratories, animal research equipment, and an extensive X-ray department. There are twenty pediatric beds. An out-patient department, capable of serving over twenty thousand patients per year, will have the following clinics: medicine, surgery, pediatrics, gynaecology, dermatology, genito-urinary diseases, ophthalmology, otolaryngology, neurology and orthopaedics.

The Collis P. Huntington Memorial Hospital and the J. Collins Warren Laboratory of Bio-Physics. — This hospital and laboratory of the Cancer Commission of Harvard University afford opportunity for the study of human tumor cases. The aim of the hospital is to study special problems concerning the natural history and the treatment of tumors. It affords a means for early diagnosis, treatment, or advice regarding therapeutic measures. There are 22 beds, all of which are available for teaching pur-

poses; out-patients are received at stated hours. During the past year, 1,725 new patients were treated in the house and out-patient department.

The Boston Dispensary. — 141,804 visits were made by out-patients at this institution during the past year. Students have opportunity for seeing practical work in the diagnosis and treatment of cases in all branches of medicine and surgery. The Dispensary is used mainly for graduate instruction. Undergraduates are taught in the Surgical Clinic twice a week during the School year.

HOSPITAL APPOINTMENTS

About eighty appointments as internes and assistants are made annually to hospitals in and about Boston for terms of service varying from six months to two years. These appointments are made after a competitive examination.

THE CANCER COMMISSION OF HARVARD UNIVERSITY

The Cancer Commission of Harvard University was founded in 1899, by the late Mrs. Caroline Brewer Croft, who left in her will a sum of money for the investigation of the cause and treatment of cancer. Since that time other sums have been contributed for cancer research, and the Cancer Commission of Harvard University was organized in 1909. Its work is carried on chiefly at the Huntington Hospital and its laboratories.

HARVARD INFANTILE PARALYSIS COMMISSION

A Commission for the purpose of assisting in the early recognition, treatment, and study of infantile paralysis was appointed by the Corporation September 25, 1916.

This Commission shortly after it was established was appointed agent of the State Department of Health, thereby assuring coöperation with the Commonwealth. The Commission also coöperates with the Vermont Board of Health. Roger Pierce, *Chairman*, Richard C. Curtis, *Treasurer*, W. Lloyd Aycock, M.D., George H. Bigelow, M.D., Hermann F. Clarke, Homer Gage, M.D., Arthur T. Legg, M.D., James J. Minot, Jr., Robert B. Osgood, M.D., W. Rodman Peabody, Redfield Proctor, Milton J. Rosenau, M.D., Richard M. Smith, M.D., Charles H. Taylor, Hans Zinsser, M.D.

HARVARD EPILEPSY COMMISSION

A Commission for the study of epilepsy was appointed by the Corporation in June 1928.

The Commission plans to conduct research into the various convulsive conditions in coöperation with various hospitals and the Department of

Neuropathology at the School. At present, particular attention is being devoted to the biochemical aspects of the disease, but the Committee stands ready to investigate any promising suggestions. Bronson Crothers, M.D., *Chairman*, Robert Amory, Walter B. Cannon, M.D., Stanley Cobb, M.D., Christian A. Herter, Ralph Lowell, Fritz B. Talbot, M.D.

PROCTOR FUND

A bequest of fifty thousand dollars by Ellen Osborne Proctor, for the purpose of promoting the study of chronic diseases, subsequently has been increased by an additional fifty thousand dollars from another member of the Proctor family. The income of this fund is to be devoted to investigations into the nature and treatment of chronic diseases and the care of persons afflicted with these diseases while in hospitals for such investigations. The special disposition of the income of this fund is under the control of a committee composed of the professors of Theory and Practice of Physic, Clinical Medicine, and Pathology. Henry A. Christian, M.D., is Chairman of the Proctor Fund Committee.

WILLIAM W. WELLINGTON FUND

In 1925 a bequest was received from William H. Wellington to establish the "William W. Wellington Memorial Research Fund." The income of this fund is to be applied for research concerning the etiology and therapeutics of the diseases of man, and is to be administered by a Committee composed of the heads of the departments of Pathology, Medicine, and Pharmacology. S. Burt Wolbach, M.D., is the Chairman.

COURSES FOR GRADUATES

The object of this division of the Medical School is to offer graduates in Medicine opportunities to continue their studies in a thorough and scientific manner.

While all courses are intended primarily for those who hold degrees from recognized medical schools, certain courses in the scientific subjects are adapted to the needs of advanced students and teachers of science. Such persons may be admitted to courses on the approval of the Administrative Board.

Undergraduate students of medicine may be admitted to such courses as they are qualified to take. Special consideration for the needs of such students will be given in the plans for summer courses.

Laboratory facilities at the Harvard Medical School and the abundant clinical opportunities in the various hospitals are available for graduate instruction. Clinical and laboratory instruction will be conducted in small classes so that students may receive personal attention. Frank R. Ober, M.D., Assistant Dean, is in charge.

SCHOOL OF PUBLIC HEALTH

This School was opened in 1922 to organize under one Faculty courses in Public Health, some of which were previously offered by other departments of the University and of the Massachusetts Institute of Technology. Its object is to provide the scientific groundwork which underlies efficient health administration.

Courses in Bacteriology, Parasitology, Epidemiology, Communicable Diseases, Tropical Medicine, Public Health Administration, Physiology, Nutrition, Ventilation and Illumination, Vital Statistics, Sanitary Engineering, Child Hygiene, Mental Hygiene, Industrial Hygiene, are offered, which aim to train the student to become an intelligent Public Health official. Opportunity is also given to students wishing to pursue research in Public Health. Any course may be taken singly, or a student may devote a considerable period of time to one subject. For further information, apply to the Secretary.

FELLOWSHIPS AND SCHOLARSHIPS

FELLOWSHIPS

Applications for fellowships should be in the hands of the Dean on or before March 1.

BULLARD FELLOWSHIPS. Established in 1891 by a gift from WILLIAM STORY BULLARD of Boston, "in memory of three physicians who were distinguished for their honorable personal character and for their professional services in this community." The three following fellowships were established:—

THE GEORGE CHEYNE SHATTUCK MEMORIAL FELLOWSHIP . .	\$425
THE JOHN WARE MEMORIAL FELLOWSHIP	425
THE CHARLES ELIOT WARE MEMORIAL FELLOWSHIP	400

The income from any one or all of these fellowships may be paid to any student or member of the medical profession who shall be selected by the Administrative Board of the Medical School to make such original investigations in Medical Science as in their opinion will be most useful to the profession and to the community. The results of such investigations shall not, however, be published as a research performed under the grant of a Bullard Fellowship, unless the work shall have received the

approval of the Committee. If published with the approval of the Committee, mention shall be made of the fact that the work was done under a Bullard Fellowship.

Holders of Bullard Fellowships are required to do an amount of work equivalent to not less than ten hours a week throughout the academic year and to present to the Committee at the end of the academic year a report on the amount and result of the work performed.

EDWARD HICKLING BRADFORD FELLOWSHIP. Established in 1918 by an anonymous gift. The Fellowship may be used for research or instruction separately or in connection with any other foundation in such manner as the Corporation may from time to time prescribe. \$1,250

THE JAMES JACKSON CABOT FELLOWSHIP. Established in 1906 by a gift from Arthur T. Cabot, Samuel Cabot, and Guy C. Cabot. In 1912 Guy C. Cabot added to this fund. The income remaining after adding a certain percentage to the principal each year is preferably, but not necessarily, to be used for a fellowship "to aid and encourage practical work in scientific medicine." \$800

THE CHARLES SEDGWICK MINOT FELLOWSHIP. Given by Mrs. Charles S. Minot in memory of Dr. Charles Sedgwick Minot, to be awarded to an undergraduate in the Medical School to help him in conducting investigative studies. \$200

CHARLES FOLLEN FOLSOM TEACHING FELLOWSHIP. Established in 1908 by gifts from more than sixty persons in memory of Charles Follen Folsom, A.B. 1862, M.D. 1870, Lecturer on Hygiene, 1877-79, on Hygiene and Mental Diseases, 1879-80, on Mental Diseases, 1880-82; Assistant Professor of Mental Diseases, 1882-85, and Overseer, 1891-1903. It was the desire of the givers that there be established in the Medical School a Charles Follen Folsom Teaching Fellowship in Hygiene or in Mental and Nervous Diseases, and that the incumbent receive the annual income of the fund, or such part of it as may be consistent with the standing rules of the Corporation in such cases. This fellowship has been assigned to the Department of Hygiene until the further order of the President and Fellows. \$800

HENRY P. WALCOTT FELLOWSHIP IN CLINICAL MEDICINE. Founded in 1910 by Frederick Cheever Shattuck, A.M., M.D., LL.D. "The income to provide for the support of a Fellow in Clinical Medicine, who shall receive his appointment from the Corporation on nomination by the Jackson Professor of Clinical Medicine, who, while the holder of the Fellowship, shall not engage in private practice but devote his time to teaching and clinical research work." \$1800

WILLIAM O. MOSELEY, JR., TRAVELLING FELLOWSHIPS. Established in 1912 by a bequest of Mrs. William O. Moseley for men who have attended the School for three or four years, for further study in Europe. Either two or three Fellowships will be awarded from the income, which is approximately \$5600.

ARTHUR TRACY CABOT FELLOWSHIP. Established in 1913 by a gift from Dr. and Mrs. Frederick Cheever Shattuck, in memory of Arthur Tracy Cabot, M.D., of the Class of 1872. The holder of the Fellowship is not ordinarily to engage in active private practice while holding it but is to devote himself to the advancement of Surgery whether in the United States or elsewhere. The nomination to this Fellowship is, by preference, to be in the hands of the Moseley Professor of Surgery. \$1500

AUSTIN FELLOWSHIPS. A certain number of teaching fellowships have been established from the income of the Austin Fund and assigned to the Medical School. *Each*, \$900

THE JOHN WHITE BROWNE SCHOLARSHIP. Established under the will of Mrs. Francis B. Greene in 1918. By vote of the President and Fellows of Harvard College, this scholarship is to be awarded by the Dean of the Medical School to a student of unusual promise, to enable him to pursue research investigations for a year at the Harvard Medical School or elsewhere. \$1100

DR. WILLIAM HUNTER WORKMAN SCHOLARSHIP. Established in 1925 by a gift from William Hunter Workman, M.D. 1873, to enable one or more graduates of the Harvard Medical School to pursue post-graduate studies in medicine in this country or abroad. In exceptional cases, fourth-year students will be eligible. \$1300

SCHOLARSHIPS

Scholarships are open only to students who are members of the School at the time of application.

The Cheever, Haven, and Mears Scholarships are awarded to students of the first-year class. The Hayden and Webster Scholarships may be so awarded. All the other scholarships are awarded to members of the three upper classes.

Scholarships and gratuities are awarded to such men among those applying for and needing assistance as give evidence of having done the best work either in this School or in a preparatory course elsewhere.

Information with regard to all forms of pecuniary aid may be obtained from the Director of Scholarships. Students requiring aid should visit the Director as soon as possible after matriculation to discuss with him their financial needs.

Applications from second, third, and fourth-year students must be made on or before May 1, 1930.

Applications for the Cheever, Hayden, and Haven Scholarships must be handed to the Director of Scholarships on or before *December 2*.

EDWARD M. BARRINGER SCHOLARSHIP NO. 1 \$300

EDWARD M. BARRINGER SCHOLARSHIP NO. 2 200

From the estate of Edward M. Barringer for the maintenance of two scholarships for students in the Harvard Medical School, these scholarships are awarded to deserving students, preference being given to those of the fourth class.

The GORDON BARTLETT SCHOLARSHIP. Established in 1919 by Mr. and Mrs. Donald Gordon in memory of their nephew, Gordon Bartlett, a student at Dartmouth College who died of wounds at St. Mihiel while serving in the Seventeenth Field Artillery. Preference is given to graduates of Dartmouth College. This scholarship will ordinarily be divided between two men. \$525

The MATTHEW AND MARY E. BARTLETT SCHOLARSHIP. Founded by Miss Fannie Bartlett of Boston, in memory of Matthew and Mary E. Bartlett, for the benefit of a worthy and meritorious student who is in need of financial assistance. \$600

LUCIUS F. BILLINGS SCHOLARSHIP. Founded in 1900 from a bequest under the will of Lucius F. Billings. The income may be divided between two or more students. \$300

DAVID WILLIAMS CHEEVER SCHOLARSHIP. Founded in 1889 by David Williams Cheever, M.D., LL.D., of Boston, of the Class of 1852. It is to be awarded to a poor and meritorious student of the first year, after three months' probation in the Medical School. \$400

ORLANDO W. DOE SCHOLARSHIP. Established as a part of the bequest of Orlando Witherspoon Doe (A.B. 1865, M.D. 1869). "To be given annually as a scholarship to a deserving student in the Medical department." \$175

JOSEPH EVELETH SCHOLARSHIP NO. 1 \$250

JOSEPH EVELETH SCHOLARSHIP NO. 2 250

JOSEPH EVELETH SCHOLARSHIP NO. 3 250

Founded from the residuary bequest made by Joseph Eveleth, of Boston, "for aiding deserving and indigent young men in obtaining an education in said College or any of the schools connected therewith."

HORACE PUTNAM FARNHAM SCHOLARSHIP No. 1	\$350
HORACE PUTNAM FARNHAM SCHOLARSHIP No. 2	350

Founded in 1918 from a bequest under the will of Mrs. Horace Putnam Farnham as a memorial to her husband, for the benefit of meritorious students of limited pecuniary resources in the Harvard Medical School.

CHARLOTTE GREENE SCHOLARSHIP. Founded in 1925 by Edwin Farnham Greene, for the benefit of a first-year student whose previous record indicates special promise. \$250

GEORGE HAVEN SCHOLARSHIPS. Founded in 1913 from a bequest under the will of George Haven, the income to be used annually for scholarships for deserving students of the first year in the Medical School, the amount of such scholarships to be at the discretion of the Scholarship Committee. \$1300

The LEWIS AND HARRIET HAYDEN SCHOLARSHIP for colored students. Founded in 1894 from a bequest of Mrs. Harriet Hayden. The income may be divided between two or more students. If not awarded in the Medical School, it is open to colored students in any other department of the University. \$325

HILTON SCHOLARSHIP No. 1	\$325
HILTON SCHOLARSHIP No. 2	325

Founded in 1897 from a bequest of William Hilton.

WILLIAM OTIS JOHNSON SCHOLARSHIP. Founded in 1912 from a bequest under the will of Mrs. William O. Johnson, in memory of her husband, William Otis Johnson, M.D., of the Class of 1845. \$225

CLAUDIUS M. JONES SCHOLARSHIP. From a bequest of six thousand dollars by Claudius Marcellus Jones, of the Class of 1866, M.D. 1875. \$400

ALFRED HOSMER LINDER SCHOLARSHIP. Founded in 1895 by Mrs. George Linder. It is to be awarded to a needy student who shall have proved himself to be of sound principles and marked ability. \$325

JAMES EWING MEARS, M.D., SCHOLARSHIP IN MEDICINE. In 1920 a bequest from the estate of J. Ewing Mears established a scholarship in the Medical School in continuance of one which Dr. Mears gave during his life. To be awarded to a young man whose financial resources are such that he cannot, unaided, acquire a medical education; the beneficiary shall hold the scholarship for the full course of four years, subject to his standing in scholarship and his good conduct. \$250

The JOSEPH PEARSON OLIVER SCHOLARSHIP. Founded in 1904 by patients of the late Joseph Pearson Oliver, M.D. 1871, to be awarded to a needy and deserving student of the Medical School. \$525

CHARLES B. PORTER SCHOLARSHIP. Founded in 1897 from a bequest of five thousand dollars by William L. Chase. \$325

FLAVIUS SEARLE SCHOLARSHIP. Established in 1921 from a bequest of Mrs. Mary L. Searle of Boston, in memory of her father, Dr. Flavius Searle. The stipend may be divided. \$450

CHARLES PRATT STRONG SCHOLARSHIP. Founded in 1894 by friends and patients of the late Charles Pratt Strong, of the Class of 1876, M.D. 1881. \$300

ISAAC SWEETSER SCHOLARSHIP. Founded in 1892 by Mrs. Anne M. Sweetser. The income is to be "devoted to the aid of poor students of ability who would not otherwise be able to continue the studies necessary for their profession." \$400

The JOHN THOMSON TAYLOR SCHOLARSHIP. Founded in 1899 by Mrs. Frederic D. Philips in memory of her brother, John Thomson Taylor, who died in 1889. He was a student of the Medical School from 1887 to 1889. \$300

The WALKER SCHOLARSHIPS. In 1922 Miss Leslie Walton Walker left a bequest of \$28,000 for the establishment of four scholarships for the benefit of four needy and deserving students of the Medical School, as the Administrative Board shall annually recommend. These scholarships will be known as

The Dr. CHARLES WALKER SCHOLARSHIP No. 1	\$350
The HELEN L. WALKER SCHOLARSHIP No. 2	350
The ANNA G. WALKER SCHOLARSHIP No. 3	350
The LESLIE W. WALKER SCHOLARSHIP No. 4	350

ABRAHAM A. WATSON SCHOLARSHIP. Established in 1923, from the estate of the late Miss Catherine E. Walker, the income to be used "as a scholarship for the benefit of students in the Medical School." \$500

Major HARRISON BRIGGS WEBSTER, U. S. ARMY, SCHOLARSHIP. Established in 1921 by Mrs. L. Florence Webster in memory of her son, Harrison Briggs Webster of the Class of 1905, Harvard College, 1909, Harvard Medical School, Regimental Surgeon of the 47th U. S. Infantry, awarded a Citation "For unusually conspicuous and meritorious services," and a second Citation, with the Distinguished Service Cross, "For extraordinary heroism in action." Killed in action in the Meuse-Argonne, October 13, 1918. This scholarship is to be awarded to sons of members of the Class of 1905, Harvard College. In case there is no application or award made in any year, the scholarship shall be awarded for that year to a needy student who shall have shown himself to be of sound principles and marked ability. \$250

EDWARD WIGGLESWORTH SCHOLARSHIP. Founded in 1897 by the family of the late Edward Wigglesworth, of the Class of 1861, M.D. 1865, the yearly income of the fund to be paid to a needy and deserving student of the Medical School. \$325

FRANCIS SKINNER FUND. Established in 1905, to be used in small sums to meet the urgent needs of meritorious students in the payment of term-bills or other expenses. This fund remained as an anonymous gift until 1908, when by vote of the President and Fellows of Harvard College it was named in honor of the late Francis Skinner, Esq., the donor. Available annually. \$250

COTTING GIFT. Received from the late Dr. Benjamin E. Cotting to be given to such medical student or students as the Administrative Board may select, having regard to the pecuniary needs, intellectual capacity, faithfulness and earnest endeavor, rather than to highest scholarship merely. \$200

JOHN FOSTER FUND. The income of the John Foster Fund is available in alternate years in the Law School and in the Medical School, for one or more meritorious students needing assistance. The next assignment in the Medical School will be made in 1930-31. \$200

HENRY EHRLICH MEMORIAL FUND. Established in 1927 by the friends and family of Dr. Henry Ehrlich. The income is to be used for the assistance of needy and worthy students regardless of creed or color. It is hoped that in later years they will return the amount received. Available 1929-30. \$850

THE LOAN FUND OF THE MEDICAL CLASS OF 1879. The Medical Class of 1879 has given the sum of four hundred and thirty-six dollars and seventy-nine cents to be used as a loan fund to aid any student or students in the Medical School in accordance with the request of the Class, or, in the absence of such request, under the direction of the Faculty of Medicine. Available 1929-30. \$300

AESCULAPIAN CLUB LOAN FUND. Founded by the Aesculapian Club in 1925. To be used as a loan fund to aid students in the Medical School. Available 1929-30. \$94

THE CHARLES WILLIAM ELIOT LOAN FUND. The first gift to create a loan fund in honor of PRESIDENT ELIOT was made in 1924 by an anonymous donor. The principal and interest from the fund are to be used for loans to students in the Medical School. Available 1929-30. \$310

Fellowships and Scholarships available in other Departments of the University as well as in the Medical School

Unless otherwise stated, applications should be made, before February 15, to the Dean of the Medical School.

THE FREDERICK SHELDON FUND FOR TRAVELLING FELLOWSHIPS AND SCHOLARSHIPS. The income of this Fund is available for holders of any degree from Harvard University. For further particulars, see University Catalogue for 1920-21.

THE PARKER FELLOWSHIPS. Established in 1873 in memory of John Parker, Jr., for the instruction, education, and maintenance of one or more students of eminent natural talents or genius for some one or more of the sciences taught in the University. Available for study at the University or in foreign countries. Four at \$950

THE STOUGHTON SCHOLARSHIP. Established in 1701 from a bequest of Lieutenant Governor WILLIAM STOUGHTON. The income of three thousand and fifty dollars is available for one or more students in any department of the University, preference being given first to students of Dorchester and second, if there be none such, to students of the town of Milton.

THE VICTOR EMMANUEL CHAPMAN MEMORIAL FELLOWSHIP; with an income at present of sixteen hundred and fifty dollars. Founded in 1917 by a number of persons who gave jointly the sum of approximately twenty-five thousand dollars in memory of VICTOR EMMANUEL CHAPMAN, of New York, of the Class of 1913, who was killed in action over Verdun, June 23, 1916, while a member of the Flying Corps of the French Army. This fellowship is to be assigned to a French youth (or youths) for study in some department of Harvard University. For further particulars, see University Catalogue for 1920-21.

THE DANIEL A. BUCKLEY SCHOLARSHIPS; with an income of two hundred dollars each, for graduates of the public schools of the city of Cambridge.

THE CHARLES ELLIOTT PERKINS SCHOLARSHIP; with an income of four hundred and fifty dollars, "to be offered each year to a graduate of an Iowa College or University, in any of the graduate or professional departments of Harvard University." The terms of gift are quoted further in the University Catalogue for 1920-21.

THE JAMES A. RUMRILL SCHOLARSHIP; with an income at present of three hundred and twenty-five dollars. This Scholarship, founded in 1909 by Mrs. JAMES A. RUMRILL, in memory of her husband, JAMES AUGUSTUS RUMRILL, of Springfield, Mass., of the Class of 1859, will be offered

each year to a properly qualified graduate of a college or university in Virginia, North Carolina, South Carolina, Florida, Georgia, Tennessee or Kentucky. The terms of gift are quoted further in the University Catalogue for 1920-21.

THE PRINCETON FELLOWSHIP; with a stipend of six hundred dollars. From a graduate of Princeton University, to be awarded to a graduate of that University studying in any department of Harvard University.

THE JOSEPH HODGES CHOATE MEMORIAL FELLOWSHIP; with an income of two thousand dollars. Established in 1919 by the Harvard Club of New York City in memory of **JOSEPH HODGES CHOATE**, of the Class of 1852, American Ambassador to Great Britain from 1899 to 1905. To be awarded, upon the nomination of the Vice-Chancellor of the University of Cambridge, England, to a British subject coming from the University of Cambridge to study in any department of Harvard University. The terms at present require that the candidate shall be either a Bachelor of Arts of not more than three years' standing from the time of taking his degree, or a matriculated undergraduate of not more than three years' standing from the date of his matriculation.

OTHER SCHOLARSHIPS. The following Fellowships and Scholarships, open to students in other Departments of the University, are available also for students in the Medical School: **Ellen S. Bates Scholarship**, **Baxendale**, **Caspar Henry Burton, Jr.**, **Charles Downer Fund**, **Lieutenant Charles Henry Fiske, 3d**, **Scholarship**, **Alan Hudson** and **Frederick E. Parlin**. There are also scholarships for students from certain states and localities, for descendants of donors, and for men nominated by Harvard Clubs. Further information about these scholarships may be obtained from the University Catalogue for 1929-30.

PRIZES

The **Bowdoin**, **Dante**, **Sumner**, and **Toppan** Prizes, offered by the Faculty of Arts and Sciences, are open to students in all departments of the University. Full particulars in regard to these prizes may be found in the University Catalogue for 1920-21.

DIVISION OF STUDIES

AND TOTAL NUMBER OF HOURS FOR EACH SUBJECT

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Anatomy 220	Anatomy 40	Medicine 213	Medicine* 432
Histology and Embryology . 220	Bacteriology 144	Surgery 175	Surgery* 238
Physiology 232	Pathology 280	Obstetrics 96	Pediatrics 144
Biochemistry 232	Neuropathology 45	Pediatrics 68	Obstetrics 144
Medical Psychology 10	Parasitology 36	Hygiene 88	Elective 144
	Pharmacology 111	Dermatology } 52	
	Clinical Pathology 90	Syphilology }	
	Medicine } 161	Neurology 31	
	Surgery }	Psychiatry 49	
	Neurology 10	Gynaecology 33	
	Obstetrics 12	Laryngology 33	
	Pediatrics 6	Ophthalmology 31	
		Otology 25	
		Orthopaedic Surgery . . . 38	
		Genito-Urinary Surgery . . 33	

* The time allotment for these two subjects may be reversed at the student's option.

ANNOUNCEMENT OF COURSES

The "Announcement of Courses" comprises a statement by each Department as to its general plan of instruction and its various required exercises, followed by a résumé of the Fourth-Year Elective Courses and the Voluntary Courses.

Each student in the fourth year must secure credit for eight one-month courses of 144 hours or their equivalent. Required courses fill seven months' time, leaving one month free for elective work. Students may anticipate certain of the required courses during the summer preceding the fourth year and thus gain more time for elective work in the fourth year. In the following statements whole courses have a value of 144 hours, half-courses of 72 hours, and quarter-courses of 36 hours.

An opportunity for voluntary work is offered to second- and third-year students on Tuesday and Thursday afternoons. It is believed that upper-classmen will welcome a chance to keep in touch with the most recent developments in the fundamental sciences; that an interest in certain fundamental subjects will have been aroused by their clinical work; or that they may feel the desire for additional training on some point. Students are not required or even asked to take this work: it is entirely a voluntary matter, and no credit will be given.

Pamphlets describing the opportunities for elective and voluntary work in detail and outlining the special conditions under which such work may be undertaken are issued to the students each spring.

Note. — Abbreviations used in the following pages, and in the tabular views:

B.C.H.	= Boston City Hospital.	H.M.H.	= Huntington Memorial Hospital.
B.D.	= Boston Dispensary.		
B.I.H.	= Beth Israel Hospital		
B.L.I.	= Boston Lying-in Hospital.	I.H.	= Infants' Hospital (Rotch Memorial).
C.H.	= Children's Hospital.	M.G.H.	= Massachusetts General Hospital.
E. and E.I.	= Massachusetts Eye and Ear Infirmary.	P.B.B.H.	= Peter Bent Brigham Hospital.
F.H.W.	= Free Hospital for Women.	B.P.H.	= Boston Psychopathic Hospital.
H.D.S.D.	= Hospital Department Sanatorium Division.		
H.M.S.	= Harvard Medical School.		
	S.D.B.C.H. = South Department, Boston City Hospital.		

Anatomy

J. LEWIS BREMER, M.D., *Associate Professor of Histology.*

FREDERIC T. LEWIS, M.D., *Associate Professor of Embryology.*

CHARLES H. DANFORTH, Ph.D., *Lecturer on Gross Anatomy.*

ROBERT M. GREEN, M.D., *Assistant Professor of Applied Anatomy and Instructor in Gynaecology.*

HAROLD L. WEATHERFORD, Ph.D., *Instructor in Anatomy.*

TORR W. HARMER, M.D., *Instructor in Anatomy and Assistant in Surgery.*

FRANK A. HAMILTON, M.D., *Assistant in Anatomy.*

HAROLD V. HYDE, M.D., *Assistant in Anatomy and in Gynaecology.*

REGINALD D. MARGESON, M.D., *Assistant in Anatomy and in Gynaecology.*

GEORGE C. PRATHER, M.D., *Assistant in Anatomy.*

WILLIAM M. SHEDDEN, M.D., *Assistant in Anatomy.*

GEORGE A. BENNETT, A.B., *Teaching Fellow in Histology.*

CECIL C. COLE, A.B., *Teaching Fellow in Histology.*

ROBERT EDWARD FLEMING, S.B., *Teaching Fellow in Histology.*

GALE E. WILSON, S.B., *Austin Teaching Fellow in Histology.*

JAMES M. WOODALL, A.B., *Teaching Fellow in Anatomy.*

In the department of Anatomy, instruction is given in Anatomy, Histology, and Embryology. The department occupies the Morgan Anatomical Building, the dissecting rooms being in the wing designated B I, and the laboratories for Histology and Embryology in the wing B II. There are separate rooms for second-year, fourth-year and graduate students and for various kinds of technical work. The class work is carried on by sections in unit rooms, designed to accommodate either twelve or twenty-four students. There is a large library which contains complete files of the most important anatomical and morphological journals, together with many standard works of reference, and in an adjoining room there is a collection of about thirteen thousand pamphlets. A card catalogue and a classified bibliography give ready access to the literature.

The Embryological Collection is a unique feature of the laboratory. It comprises about twenty-three hundred series of sections of carefully selected vertebrate embryos, and affords therefore opportunities for research in comparative embryology such as cannot be found elsewhere. The collection includes eighty series of sections of human embryos, several of which are of exceptional value, among them being two of the very youngest stages of man yet obtained. The collection of embryological models contains the standard series and many unique original models.

REQUIRED COURSES

ANATOMY A AND B. *First Year.* — The courses of the first year are intended to teach human anatomy, both gross and microscopic, together with the essentials of human embryology. Half of the time is devoted to work in the dissecting room, the other half to work in the histological and embryological laboratories. In the study of gross anatomy, each student makes a complete dissection of one half of the human body, and all of the class dissect the same part at the same time. Two men will be assigned to the

same subject, and will work together during the course. The study of the skeleton is carried on with the dissection, and each student will be provided with a box of bones which may be kept throughout the course. There will be lectures or demonstrations which are arranged to correspond as closely as possible with the work in the dissecting room. These lectures not only will serve as a guide to the regular work in the dissecting room, but also will be used to emphasize those details of human anatomy which the student cannot easily study for himself in his own dissection. Special dissections made by prosectors from the second-year class, frozen sections, and various anatomical specimens and preparations will be displayed each day to illustrate and supplement that part of the subject treated in the lecture, or about to be studied in the dissecting room. Students are urged to examine these specimens carefully, and to discuss them informally with the instructors. Students will be quizzed each week on their work in the laboratory by the instructors in charge of their section. Practical examinations only will be given in the first year. At the end of the second-year course there will be a written examination which will cover the work in both courses.

The part of the course dealing with microscopic anatomy is a study of cells, tissues, and organs, from the developmental standpoint. The fundamental tissues and the various organs are traced to their adult form by the aid of chick embryos of 30 and 48 hours and pig embryos of 40 days, and sections of adult material. The course follows as nearly as possible the work in the dissecting room. In connection with the uterus, the human placenta and fetal membranes are considered, and several exercises are devoted to the central nervous system and sense organs.

ANATOMY C. Second Year. — The course in second-year anatomy is conducted twice a week during the first term. The class is divided into two sections. The work will consist of the careful study of frozen sections of the human body. Charts, special dissections, and preparations will be displayed in the laboratory to illustrate the various structures seen in the sections. Correlation of the structures in the sections and in dissected cadavers will be stressed, and unusual opportunity for such correlation is furnished by the collection in the Dwight Room which adjoins the laboratory. Each pair of students will be furnished with actual photographs of twenty selected sections of the body, life size or slightly reduced, on heavy mat paper suitable for outlining and coloring. At each exercise will be given talks on the practical clinical application of the anatomical relations, surface landmarks, surgical approaches, etc.

The course is intended to serve as a topographical review of the work of the first year, and to lead to a close correlation of anatomy and the clinical courses in physical diagnosis. Once a week a lecture in applied anatomy is given by teachers in the Departments of Medicine, Ortho-

paedic Surgery, Genito-Urinary Surgery, Gynaecology, Otology, or Ophthalmology. There will be one or two short examinations during the course. A final written examination will cover the work in both first and second-year courses in anatomy.

FIRST YEAR

HOURS

Lectures. Drs. BREMER, DANFORTH, and LEWIS. <i>Six lectures a week, first half-year.</i>	96
Demonstrations. <i>To sections of the class, at the pleasure of the instructors.</i>	
Laboratory work. <i>Twenty-one and a half hours a week, first half-year.</i>	344

SECOND YEAR

Laboratory work. <i>To sections of the class, two and one-half hours per week, first half-year.</i>	40
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FOURTH-YEAR ELECTIVE COURSES

- ANATOMY 1. Surgical Anatomy. Dr. GREEN and assistants. Whole courses, afternoons, October–November, December–January, and February–March.
- ANATOMY 2. Advanced Vertebrate Embryology. Dr. LEWIS. Whole course, all day, in a month to be arranged with the instructor.
- ANATOMY 3. Advanced Histology. Dr. BREMER. Whole course, all day, in a month to be arranged with the instructor.
- ANATOMY 4. Physical Anthropology. Dr. E. A. HOOTON. Whole course, to be arranged with the instructor.
- ANATOMY 20. Investigation. Opportunities are offered for students who wish to do special or advanced work.

VOLUNTARY COURSES

CLINICAL APPLIED ANATOMY. Dr. CHEEVER. September 28 through January.

ADVANCED WORK. Opportunities are offered for advanced work or research in embryology, histology, or (in so far as material will permit) anatomy.

The Laboratories of Physiology

PHYSIOLOGY

*WALTER B. CANNON, M.D., S.D., *George Higginson Professor of Physiology.*

ALEXANDER FORBES, M.D., *Associate Professor of Physiology.*

* Leave of absence, 1930.

HALLOWELL DAVIS, M.D., *Assistant Professor of Physiology.*
ALFRED C. REDFIELD, Ph.D., *Assistant Professor of Physiology.*
PERCY G. STILES, Ph.D., *Assistant Professor of Physiology.*
ROY G. HOSKINS, M.D., *Research Associate in Physiology.*
HAROLD F. BLUM, Ph.D., *Instructor in Physiology.*
MAGNUS I. GREGERSEN, A. M., *Instructor in Physiology.*
CHESTER W. HAMPEL, A.B., *Teaching Fellow in Physiology.*
WESLEY T. POMMERENKE, Ph.D., *Teaching Fellow in Physiology.*
GORDON C. RING, A.M., *Teaching Fellow in Physiology.*
ZENON M. BACQ, M.D., *Research Fellow in Physiology.*
ARTHUR R. COLWELL, M.D., *Research Fellow in Physiology and Fellow of
The National Research Council.*
SIMON DWORKIN, M.D., *Research Fellow in Physiology and Fellow of The
National Research Council.*
MILTON O. LEE, Ph.D., *Research Fellow in Physiology.*
WILLIAM RAAB, M.D., *Research Fellow in Physiology.*

PHYSICAL CHEMISTRY

LAWRENCE J. HENDERSON, M.D., *Professor of Biological Chemistry.*
EDWIN J. COHN, Ph.D., *Associate Professor of Physical Chemistry.*
RONALD M. FERRY, M.D., *Assistant Professor of Biological Chemistry.*
ALEXANDER L. VON MURALT, Ph.D., *Research Associate in Physical
Chemistry.*
HAROLD A. ABRAMSON, M.D., *Research Fellow in Physical Chemistry.*
JOHN T. EDSALL, M.D., *Research Fellow in Physical Chemistry.*
MARCEL FLORKIN, M.D., *Research Fellow in Physical Chemistry.*
ARDA A. GREEN, M.D., *Research Fellow in Physical Chemistry.*
THOMAS L. McMEEKIN, Ph.D., *Research Fellow in Physical Chemistry.*
VLADIMIR A. PERTZOFF, A.M., *Research Fellow in Physical Chemistry.*
G. PAYLING WRIGHT, M.B., *Research Fellow in Physical Chemistry.*
JEFFRIES WYMAN, Ph.D., *Research Fellow in Physical Chemistry.*

PHYSIOLOGY, SCHOOL OF PUBLIC HEALTH

CECIL K. DRINKER, M.D., *Professor of Physiology.*
LAWRENCE T. FAIRHALL, Ph.D., *Assistant Professor of Physiology.*
LOUIS A. SHAW, A.B., *Instructor in Physiology.*

In the Laboratories of Physiology, the Departments of Physiology and Physical Chemistry of the Harvard Medical School coöperate with the Department of Physiology of the School of Public Health in offering

courses of instruction and opportunities for research in the biological and physico-chemical problems of general physiology, in comparative physiology, mammalian physiology, and the physiological problems of general and industrial hygiene.

REQUIRED COURSES

PHYSIOLOGY A. First Year. — In the lectures of this course the object is to acquaint the student with the more fundamental concepts of physiology and to consider in detail those portions of the subject that are essential to an understanding of the phenomena of health and disease in man.

The laboratory exercises aim to discipline the student in the method of experimentation as applied to the acquisition of physiological knowledge, and to give him first-hand experience with the principal types of experiment employed in the analysis of function.

Conferences and demonstrations supplement the more formal instruction.

FIRST YEAR	HOURS
Lectures and Laboratory work. Drs. CANNON, DRINKER, REDFIELD, DAVIS, and BLUM, assisted by other members of the staff. <i>Three days a week, second half-year.</i>	232

FOURTH-YEAR ELECTIVE COURSES

PHYSIOLOGY 1. Investigation. Drs. CANNON, FORBES, REDFIELD, and DAVIS. Students will not ordinarily be received for less than two full courses.

PHYSIOLOGY 2. Physical Chemistry of Physiological Processes. Drs. HENDERSON, COHN, and FERRY. Investigation. Not less than one full course.

VOLUNTARY COURSES

PHYSICAL THEORY AND METHOD IN GENERAL PHYSIOLOGY. Dr. VON MURALT. November.

1. The application of the molecular kinetic theory to the colloidal state.
2. Optical methods and the structure of living matter.

Biological Chemistry

OTTO FOLIN, Ph.D., S.D., M.D., *Hamilton Kuhn Professor of Biological Chemistry.*

CYRUS H. FISKE, M.D., *Associate Professor of Biological Chemistry.*

HARRY C. TRIMBLE, Ph.D., *Assistant Professor of Biological Chemistry.*

MILAN A. LOGAN, Ph.D., *Instructor in Biological Chemistry.*

IRVIN S. DANIELSON, M.S., *Teaching Fellow in Biological Chemistry.*

JOSEPH S. DE FRATES, Ph.D., *Austin Teaching Fellow in Biological Chemistry.*

GEORGE H. HITCHINGS, S.M., *Teaching Fellow in Biological Chemistry.*

CLARENCE A. MORRELL, A.M., *Teaching Fellow in Biological Chemistry.*

SAMUEL B. NADLER, A.B., *Teaching Fellow in Biological Chemistry.*

STEPHEN J. MADDOCK, M.D., *Research Fellow in Biological Chemistry and Fellow of the National Research Council.*

YELLAPRAGADA SUBBA ROW, M.B., *Research Fellow in Biological Chemistry.*

REQUIRED COURSES

BIOLOGICAL CHEMISTRY A. *First Year.*—The lectures in this course consist of a brief discussion of the theories of chemical constitution and a survey of those classes of chemical substances which are to be found in animals and plants, and of the general principles and more important facts of physiological chemistry.

The laboratory practice is designed to acquaint the student with some of the more important constituents of living matter and their chemical behavior, and with some of the routine methods of biochemical investigation.

Conferences and discussions of selected topics supplement the main work of the course.

FIRST YEAR

HOURS

Lectures and Laboratory Work. Drs. FOLIN, FISKE, and assistants.

Three times a week, second half-year.

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FOURTH-YEAR ELECTIVE COURSES

BIOLOGICAL CHEMISTRY 1. Whole courses, forenoons, afternoons, or all day, June and July, February through May.

VOLUNTARY COURSES

ADVANCED WORK. Students who are especially interested in methods and problems of biological chemistry will be given opportunity on their free afternoons to do advanced work.

Bacteriology

HANS ZINSSER, M.D., *Professor of Bacteriology and Immunology.*

J. HOWARD MUELLER, Ph.D., *Silas Arnold Houghton Associate Professor of Bacteriology and Immunology.*

WILLIAM L. MOSS, M.D., *Assistant Professor of Bacteriology and Immunology.*

HUGH K. WARD, M.B., D.P.H., *Assistant Professor of Bacteriology and Immunology.*

BENJAMIN WHITE, Ph.D., *Assistant Professor of Bacteriology and Immunology and of Preventive Medicine and Hygiene.*

FRANCIS B. GRINNELL, M.D., *Associate in Bacteriology and Immunology.*

WILLIAM A. HINTON, M.D., *Instructor in Bacteriology and in Preventive Medicine and Hygiene.*

MERRILL J. KING, M.D., *Instructor in Bacteriology and Immunology.*

ROBERT N. NYE, M.D., *Instructor in Bacteriology.*

ELLIOTT S. A. ROBINSON, M.D., *Instructor in Bacteriology and in Preventive Medicine and Hygiene.*

JOHN F. ENDERS, A.M., *Assistant in Bacteriology and Immunology.*

JOHN L. JACOBS, M.D., *Assistant in Bacteriology.*

ELIOT F. PORTER, M.D., *Assistant in Bacteriology and Immunology.*

The personnel and equipment of the Department of Bacteriology and Immunology are prepared to supply teaching and opportunities for investigation to properly qualified undergraduate and graduate students in general bacteriology, pathogenic bacteriology, and the problems of immunity.

REQUIRED COURSE

BACTERIOLOGY A. *Second Year.* — The required course for medical students is taught by lectures, laboratory work, and conferences. Stress in this course is laid upon those parts of bacteriology and immunology which are directly pertinent to the pathology of infectious disease, its practical diagnosis and treatment. The students are introduced as rapidly as possible to the medical problems of bacteriology, and the subjects taught are illustrated by materials obtained from the associated hospitals. Immunological and serological technique in its practical aspects is dealt with by group instruction, and the preventive aspects of the physician's duties in relation to infectious diseases are considered as thoroughly as time permits.

	HOURS
Lectures. Drs. ZINSSER, MUELLER and staff. <i>Mondays, Wednesdays, and Fridays, first half-year.</i>	48
Laboratory work. Drs. ZINSSER, MUELLER, MOSS, WARD and GRINNELL. <i>Two hours, Mondays, Wednesdays, and Fridays, first half-year.</i>	96

FOURTH-YEAR ELECTIVE COURSES

BACTERIOLOGY 1. The Department of Bacteriology offers opportunity for special study for one or more months. Students will be accepted for such work and the nature of their studies will be determined by individual

conferences between the applicants and members of the staff of the Department.

BACTERIOLOGY 2. APPLIED BACTERIOLOGY AND IMMUNOLOGY. During the second half-year a course in Advanced Bacteriology, planned especially for Public Health students, but suitable also for tutorial students or others who wish to proceed beyond the purely fundamental parts of the subject, is offered, February through May, hours to be arranged. In this course practical exercises, demonstrations, and conferences are offered to cover especially the fields of epidemiological bacteriology and of the practical problems of vaccination, vaccine therapy, serum diagnosis, and serum therapy. Properly qualified students are permitted to begin specialization on problems of their own during this course. This course also includes training in the use of bacteriological literature.

Seminars on work going on in the laboratory are held once every two weeks by the staff. Advanced students are invited to these seminars, and will obtain credit for them if attendance is regular.

VOLUNTARY COURSES

BACTERIOLOGY 3. IMMUNITY. November 5 through January 23. Dr. ZINSSER. Open to second,* third, and fourth-year students and graduates. A course of lectures on the principles and theories of Immunity, with practical demonstrations and discussions.

BACTERIOLOGY 4. CHEMICAL BACTERIOLOGY AND IMMUNITY. Time individually arranged for. Dr. MUELLER. Open to properly qualified students. This course will consist largely of practical work and theories in connection with the more important phases of the chemistry of bacterial products and the chemical problems of immunity.

BACTERIOLOGY 5. SERUMS AND VACCINES. April, Tuesday afternoons. Drs. WHITE and ROBINSON. The practical application of the theories of immunity to the preparation and use of biologic agents.

BACTERIOLOGY 6. DIAGNOSTIC SERUM REACTIONS. Time individually arranged for. Dr. HINTON. Open to second, third, and fourth-year men. Methods of serological syphilology diagnosis and other phases of practical diagnostic public health laboratory work.

BACTERIOLOGY 7. CLINICAL BACTERIOLOGY. April, Tuesdays and Thursdays, 3 P.M. B.C.H., Dr. NYE. The course will consist of lectures and demonstrations relative to the application of Bacteriology to the diagnosis, prognosis, and treatment of disease. Limited to twelve men from the third-year class. Application must be made at least a month in advance.

* In the year 1929-30 not more than twenty-five men from the second-year class will be admitted to this course.

BACTERIOLOGY 8. SEROLOGICAL EXERCISES. November and December, Tuesdays and Thursdays, 3 P.M., H.M.S., Dr. WARD. A short course given in coördination with the immunity lectures, which — without endeavoring to cover the entire field — will give the student an introduction to the technical methods most frequently employed, and so chosen that they will illustrate the most important principles of serological reactions.

The Department of Bacteriology offers opportunity for special study to individual students of any of the Medical School classes.

Pathology

S. BURT WOLBACH, M.D., *Shattuck Professor of Pathological Anatomy.*

FRANK B. MALLORY, M.D., *Professor of Pathology.*

FREDERIC PARKER, JR., M.D., *Assistant Professor of Pathology.*

E. ARNOLD G. BRANCH, M.D., *Instructor in Pathology.*

TRACY B. MALLORY, M.D., *Instructor in Pathology.*

MONROE J. SCHLESINGER, M.D., *Instructor in Pathology.*

SHIELDS WARREN, M.D., *Instructor in Pathology.*

IRVING B. AKERSON, M.D., *Instructor in Pathology.*

GRANVILLE A. BENNETT, M.D., *Instructor in Pathology.*

SIDNEY FARBER, M.D., *Instructor in Pathology.*

JOHN A. FERGUSON, M.D., *Instructor in Pathology.*

PERCY R. HOWE, D.D.S., *Instructor in Pathology.*

HENRY PINKERTON, M.D., *Instructor in Pathology.*

JUNIUS M. RAWLINGS, M.D., *Instructor in Pathology.*

J. STEWART ROONEY, M.D., *Instructor in Pathology.*

REUBEN Z. SCHULZ, M.D., *Instructor in Pathology.*

WILLIAM H. LEWIS, JR., M.D., *Assistant in Pathology.*

G. KENNETH MALLORY, M.D., *Assistant in Pathology.*

LEONE MCGREGOR, M.D., *Research Fellow in Pathology and Fellow of the National Research Council.*

LEGAL MEDICINE

GEORGE B. MAGRATH, M.D., *Instructor in Legal Medicine.*

REQUIRED COURSES

PATHOLOGY A. Second Year. — The course in Pathology consists of laboratory work and lectures. The basis of the laboratory work is a systematic course in pathological histology. In connection with this there are demonstrations of fresh material and museum specimens and experiments on animals bearing on the subjects studied. For demonstrations, autopsy attendance, and experimental work the students are divided into

small sections. The demonstrations and experimental work are given in connection with the subjects which are being studied, in rooms adjoining the main laboratory which are adequately provided with apparatus. Lectures are given three days in the week by Drs. WOLBACH, MALLORY and staff. The object of the lecture is to expand and coördinate the knowledge which the student obtains by the study of material and to introduce important recent advances not yet incorporated in text-books. During the entire period of the course groups of students are sent to the various hospitals to see and assist in postmortem examinations. The postmortem material of the Peter Bent Brigham Hospital, the Boston City Hospital, the Massachusetts General Hospital, the Infants' Hospital, the Children's Hospital, the Huntington Hospital, the Palmer Memorial Hospital, the House of the Good Samaritan, and the Long Island Hospital is available for instruction. Each group prepares microscopical specimens of the tissues from each autopsy they attend, and immediately afterwards meets for a conference with one of the instructors, when the whole case is reviewed and discussed. At these conferences the clinical history of the case is read, and as far as possible the pathological findings are correlated with the clinical features. No attempt is made to separate the subject of Pathology into general pathology and pathological anatomy, but the subject is studied as a whole. The more important organs of the body are covered, towards the end of the course, with reference to their special pathology, particularly the blood, liver, spleen, kidneys, pancreas, and genitalia. In teaching, the student is taught methods of work, is given material, and directed, but he is taught to work independently. Tumors and other material coming from the surgical clinics are made full use of in the course. Conferences and recitations will occasionally be substituted for regular laboratory work.

Demonstrations of gross material are held each teaching day in the Warren Museum, which is now an integral part of the Department of Pathology. Special space has been provided for the use of second-year students. The Museum is open in the evening and it is extensively utilized by students for purposes of reviews and conferences. Free access to a large collection of unmounted gross material is permitted at all times. Special collections are arranged by the Curator and are kept accessible to the students for long periods throughout the teaching course.

On Saturdays conferences and recitations are substituted for the regular laboratory work.

In the afternoons of February Drs. TYZZER and FABYAN give a course of lectures and laboratory exercises on animal parasites, particularly the protozoa and the infections produced by them.

Approximately fifty hours are given to lectures and laboratory work in neuropathology, certain exercises being interdigitated with the course

in general pathology, and twelve consecutive exercises in the more special diseases of the nervous system are given in the spring. (See Neuropathology.)

At the end of the course Dr. MAGRATH gives either two or three lectures on Legal Medicine.

Third Year. — Clinical pathological demonstrations are held two hours a week throughout the year in the pathological amphitheatre alternately of the P.B.B.H. and of the M.G.H. Autopsy material is presented along with the case records.

SECOND YEAR

HOURS

Lectures. Drs. WOLBACH, MALLORY and Staff. <i>Mondays, Wednesdays, and Fridays, September 25 to March 26.</i>	75
Laboratory work. Dr. WOLBACH and Staff. <i>Two and a half hours, Mondays, Wednesdays, and Fridays, and section work Tuesdays, Thursdays, and Saturdays, during the forenoons of October through March.</i>	205
Neuropathology. (<i>See Diseases of the Nervous System.</i>)	45

FOURTH-YEAR ELECTIVE COURSES

- PATHOLOGY 2.** Advanced Pathology. Drs. F. B. MALLORY and F. PARKER, Jr. B.C.H. Whole courses, all day, for one or more months during the school year.
- PATHOLOGY 3.** Advanced Pathology. Dr. WOLBACH. P.B.B.H. Whole courses, all day, for two or more months during the school year.
- PATHOLOGY 4.** Advanced Pathology. The Rôle of Allergy in the Pathology of Infectious Diseases. Dr. BRANCH. H.M.S.
- PATHOLOGY 9.** Advanced Pathology. The Pathology of the Endocrine Diseases. Dr. S. WARREN. Palmer Memorial Hospital. Whole courses, all day, offered throughout the school year.
- PATHOLOGY 10.** Advanced Pathology. The Pathology of Tumors. Dr. S. WARREN. H.M.H. and Palmer Memorial Hospital. Whole courses, all day, for two or more months during the school year.
- PATHOLOGY 11.** Surgical Pathology of Tumors. Dr. GREENOUGH. Half-course, afternoons of January.
- PATHOLOGY 12.** Dr. T. B. MALLORY. M.G.H. Whole courses, or half-courses, mornings or afternoons, first half-year.
- PATHOLOGY 13.** Whole courses, mornings or afternoons, offered throughout the year. H.M.S. Arrangements should be made with the head of the Department.

VOLUNTARY COURSE

CLINICAL PATHOLOGICAL CONFERENCES. Once a week throughout the year, P.B.B.H. and M.G.H. alternately. Drs. CABOT, WOLBACH, and T. B. MALLORY. Students who propose to attend these exercises should send their names to Dr. CABOT in order that provision may be made for multigraphing the abstracts of clinical records for students' use.

Comparative Pathology

ERNEST E. TYZZER, M.D., *George Fabyan Professor of Comparative Pathology.*

DONALD L. AUGUSTINE, S.D., *Assistant Professor of Helminthology.*

MARSHAL FABYAN, M.D., *Assistant Professor of Comparative Pathology.*

MARSHALL HERTIG, Ph.D., *Assistant Professor of Medical Entomology.*

JOSEPH R. HOBBS, S.D., *Austin Teaching Fellow in Comparative Pathology.*

HANS THEILER, M.R.V.S., *Assistant in Comparative Pathology.*

REQUIRED COURSES

COMPARATIVE PATHOLOGY A, PARASITOLOGY. *Second Year.* — Given on Monday, Wednesday, and Friday afternoons in February. The study of the anatomy and life cycles of the more important species of worms parasitic in the human being is provided for by fresh material for dissection, by stained sections, and by the preserved specimens of the Helminthological Collection. The student is trained to identify these parasites as they appear in the various stages of their development. Parasitic protozoa causing diseases of the human being are also considered with special reference to their identification and life cycles. Human material, cultures, and experimentally infected animals are utilized in the study of these microorganisms. The field of medical entomology is briefly surveyed, with special reference to the arthropods which transmit human disease.

SECOND YEAR

HOURS

Lectures. Dr. TYZZER. H.M.S. *Three times a week, January 29–February 24.*

12

Demonstrations and laboratory work. Drs. TYZZER, FABYAN and Staff. *Three two-hour periods a week, January 29–February 24.*

24

FOURTH-YEAR ELECTIVE COURSES

COMPARATIVE PATHOLOGY 1. Drs. TYZZER, FABYAN, AUGUSTINE, and HERTIG. Research. To be arranged with the instructor.

See also Medical Zoölogy and Tropical Medicine, p. 95.

Pharmacology

REID HUNT, M.D., Ph.D., S.D., *Professor of Pharmacology.*

WORTH HALE, M.D., *Associate Professor of Pharmacology.*

G. PHILIP GRABFIELD, M.D., *Instructor in Pharmacology.*

FREDERICK KELLOGG, A.M., *Teaching Fellow in Pharmacology.*

REQUIRED COURSES

PHARMACOLOGY A. In the second year the instruction is given by lectures, recitations, demonstrations, and a laboratory course in which the students have an opportunity of learning the physical and chemical properties of the more important drugs and of performing experiments illustrating the physiological actions of a number of these. A few exercises are given in pharmacy and materia medica, the work consisting of demonstrations and practical exercises. Some attention is also given to toxicology. During the fourth year an opportunity is offered to students of doing more advanced work in experimental pharmacology.

SECOND YEAR

	HOUBS
Lectures and demonstrations. Drs. HUNT and HALE. <i>One hour, three times a week, first half-year.</i>	48
Lectures, prescription writing, and quizzes. <i>One-hour, three times a week, February to May.</i>	39
Laboratory work, in sections, <i>Tuesdays, Thursdays, and Saturdays, first half-year.</i>	24

FOURTH-YEAR ELECTIVE COURSE

PHARMACOLOGY 3. Half-course, afternoons, April.

VOLUNTARY COURSES

PHARMACOLOGY 1. Dr. HALE. Tuesday and Thursday afternoons, November and December.

APPLIED PHARMACOLOGY 2. Drs. HALE and GRABFIELD. Tuesday afternoons, February through April.

Preventive Medicine and Hygiene

MILTON J. ROSENAU, M.D., A.M., *Charles Wilder Professor of Preventive Medicine and Hygiene.*

W. LLOYD AYCOCK, M.D., *Assistant Professor of Preventive Medicine and Hygiene.*

LLOYD D. FELTON, M.D., S.D., *Assistant Professor of Preventive Medicine and Hygiene.*

BENJAMIN WHITE, Ph.D., *Assistant Professor of Preventive Medicine and Hygiene and of Bacteriology.*

JOSEPH W. SCHERESCHEWSKY, M.D., *Associate in Preventive Medicine and Hygiene.*

WILLIAM A. HINTON, M.D., *Instructor in Preventive Medicine and Hygiene and in Bacteriology.*

S. DAVID KRAMER, M.D., *Instructor in Preventive Medicine and Hygiene.*

ELLIOTT S. A. ROBINSON, M.D., *Instructor in Preventive Medicine and Hygiene and in Bacteriology.*

———, *Charles Follen Folsom Teaching Fellow in Hygiene.*

REQUIRED COURSES

PREVENTIVE MEDICINE AND HYGIENE A. *Third Year.*—The course in Preventive Medicine and Hygiene consists of lectures and demonstrations, sanitary survey, and sanitary excursions. The lectures are followed by correlating clinical exercises. Each student is required to make a sanitary survey of a city or town and make a report thereon. This report is due in the fourth year, not later than the first Monday after the spring vacation. The sanitary excursions consist of visits to a vaccine and antitoxin laboratory, to a dairy, etc.

THIRD YEAR	HOURS
Lectures and demonstrations. <i>Once a week, throughout the year.</i>	32
Clinical exercises. <i>Once a week, throughout the year.</i>	56

FOURTH-YEAR ELECTIVE COURSES

PREVENTIVE MEDICINE AND HYGIENE 1. Whole course, all day, December.

VOLUNTARY COURSE

APPLIED IMMUNOLOGY. Serums and Vaccines. Drs. WHITE and ROBINSON. Tuesday afternoons, April.

Medicine

Under this Division are included Medicine and the specialties relating chiefly to Medicine:—Dermatology and Syphilology, Diseases of the Nervous System (Neurology, Neuropathology, and Psychiatry), Ophthalmology, Pediatrics, and Roentgenology.

MEDICINE

- HENRY A. CHRISTIAN, M.D., *Hersey Professor of the Theory and Practice of Physic.*
- JAMES H. MEANS, M.D., *Jackson Professor of Clinical Medicine.*
- GEORGE R. MINOT, M.D., *Professor of Medicine.*
- RICHARD C. CABOT, M.D., *Professor of Clinical Medicine.*
- JOSEPH C. AUB, M.D., *Associate Professor of Medicine.*
- HERRMAN L. BLUMGART, M.D., *Associate Professor of Medicine.*
- REGINALD FITZ, M.D., *Associate Professor of Medicine.*
- ELLIOTT P. JOSLIN, M.D., *Clinical Professor of Medicine.*
- EDWIN A. LOCKE, M.D., *Clinical Professor of Medicine.*
- WILLIAM H. ROBEY, M.D., *Clinical Professor of Medicine.*
- CHANNING FROTHINGHAM, M.D., *Associate Clinical Professor of Medicine and Chairman of the Department.*
- ARLIE V. BOCK, M.D., *Assistant Professor of Medicine.*
- CLIFFORD L. DERICK, M.D., *Assistant Professor of Medicine.*
- GEORGE W. HOLMES, M.D., *Assistant Professor of Roentgenology.*
- CHESTER M. JONES, M.D., *Assistant Professor of Medicine.*
- MERRILL C. SOSMAN, M.D., *Assistant Professor of Roentgenology.*
- SOMA WEISS, M.D., *Assistant Professor of Medicine.*
- PATRICK F. BUTLER, M.D., *Instructor in Roentgenology.*
- FRANK H. HUNT, M.D., *Instructor in Medicine.*
- HENRY JACKSON, JR., M.D., *Instructor in Medicine.*
- FREDERICK T. LORD, M.D., *Instructor in Medicine.*
- FRANCIS M. RACKEMANN, M.D., *Instructor in Medicine.*
- WILLIAM H. SMITH, M.D., *Instructor in Medicine.*
- WALTER BAUER, M.D., *Instructor in Medicine.*
- WILLIAM B. CASTLE, M.D., *Instructor in Medicine.*
- MAURICE FREMONT-SMITH, M.D., *Instructor in Medicine.*
- BURTON E. HAMILTON, M.D., *Instructor in Medicine.*
- SAMUEL A. LEVINE, M.D., *Instructor in Medicine.*
- ROBERT T. MONROE, M.D., *Instructor in Medicine.*
- WILLIAM P. MURPHY, M.D., *Instructor in Medicine.*
- JAMES P. O'HARE, M.D., *Instructor in Medicine.*
- W. RICHARD OHLER, M.D., *Instructor in Medicine.*
- FRANCIS W. PALFREY, M.D., *Instructor in Medicine.*
- EDWARD C. VOGT, M.D., *Instructor in Roentgenology.*
- PAUL D. WHITE, M.D., *Instructor in Medicine.*
- HARRY BLOTNER, M.D., *Assistant in Medicine.*
- HEINRICH G. BRUGSCH, M.D., *Assistant in Medicine.*
- RANDALL CLIFFORD, M.D., *Assistant in Medicine.*
- PERCY B. DAVIDSON, M.D., *Assistant in Medicine.*
- RICHARD DRESSER, M.D., *Assistant in Roentgenology.*

- WILLIAM C. EGLOFF, M.D., *Assistant in Medicine.*
LAURENCE B. ELLIS, M.D., *Assistant in Medicine.*
ARTHUR C. ERNSTENE, M.D., *Assistant in Medicine.*
JAMES M. FAULKNER, M.D., *Assistant in Medicine.*
MAXWELL FINLAND, M.D., *Assistant in Medicine.*
JOHN M. FLYNN, M.D., *Assistant in Medicine.*
SAMUEL L. GARGILL, M.D., *Assistant in Medicine.*
CLARK W. HEATH, M.D., *Assistant in Medicine and in Tropical Medicine.*
T. DUCKETT JONES, M.D., *Assistant in Medicine.*
DONALD S. KING, M.D., *Assistant in Medicine.*
RICHARD B. KING, M.D., *Assistant in Medicine.*
H. LOUIS KRAMER, M.D., *Assistant in Medicine.*
ROBERT F. MCGRATH, M.D., *Assistant in Medicine.*
FRANK W. MARLOW, JR., M.D., *Assistant in Medicine.*
STACY R. METTIER, M.D., *Assistant in Medicine.*
ROBERT S. PALMER, M.D., *Assistant in Medicine.*
GEORGE P. REYNOLDS, M.D., *Assistant in Medicine.*
WYMAN RICHARDSON, M.D., *Assistant in Medicine.*
GEORGE P. ROBB, M.D., *Assistant in Medicine.*
SAMUEL A. ROBINS, M.D., *Assistant in Roentgenology.*
NATHAN SIDEL, M.D., *Assistant in Medicine.*
DWIGHT L. SISCO, M.D., *Assistant in Medicine.*
WILLIAM B. STEVENS, M.D., *Assistant in Medicine.*
WHEELAN D. SUTLIFF, M.D., *Assistant in Medicine.*
JAMES H. TOWNSEND, M.D., *Assistant in Medicine.*
LOUIS J. ULLIAN, M.D., *Assistant in Medicine.*
LOUIS WOLFF, M.D., *Assistant in Medicine.*
GREENE S. FITZHUGH, M.D., *Teaching Fellow in Medicine.*
MARSHALL N. FULTON, M.D., *Teaching Fellow in Medicine.*
ALEXANDER MARBLE, M.D., *Teaching Fellow in Medicine.*
ELBERT L. PERSONS, M.D., *Teaching Fellow in Medicine.*
FRANCIS D. PIERCE, M.D., *Teaching Fellow in Medicine.*
THOMAS V. O. URMY, M.D., *Teaching Fellow in Medicine.*
FULLER ALBRIGHT, M.D., *Henry Pickering Walcott Fellow in Clinical Medicine.*
RICHARD T. BEEBE, M.D., *Research Fellow in Medicine.*
DOUGLAS R. DRURY, M.D., *Research Fellow in Medicine.*
CLYDE W. HOLLAND, M.D., *Research Fellow in Medicine.*
DONALD HUNTER, M.D., *Research Fellow in Medicine.*
MATHILDE E. F. HUNTER, M.D., *Research Fellow in Medicine.*
JACOB LERMAN, M.D., *Research Fellow in Medicine.*
GEORGE E. LEWIS, M.B., *Research Fellow in Medicine.*
ARTHUR A. MARLOW, M.D., *Research Fellow in Medicine.*

OID O. MEYER, M. D., *Research Fellow in Medicine.*

WILLIAM T. SALTER, M.D., *Research Fellow in Medicine.*

FRANCIS H. L. TAYLOR, M.D., *Research Fellow in Medicine.*

ALBERT G. YOUNG, M.D., *Research Fellow in Medicine.*

REQUIRED COURSES

The instruction given by the Department of Medicine consists in lectures, recitations, amphitheatre clinics, practical work in the out-patient departments and wards of the hospitals, and a course in clinical pathology which is given at the Harvard Medical School in the laboratory of the Department. The time given to the Department of Medicine in the medical curriculum comes in the second half of the second year and throughout the third and fourth years.

Second Year.—During the second half of the second year, instruction in the methods of history taking, physical examination, and laboratory technique is given. Also there are a few lectures and demonstrations introductory to internal medicine.

Third Year.—Throughout the third year the subjects of internal medicine are covered in exercises for the whole class by clinics or lectures which are given at the various hospitals or at the Harvard Medical School. For their practical work the students throughout this year are divided into small groups and work in the wards or out-patient departments of the four larger hospitals connected with the Medical School on problems of internal medicine. The individual student spends his entire time in one hospital, and in a small group, under the direct supervision of instructors especially assigned for this work. Voluntary courses are offered to third-year students at various times throughout the year.

Fourth Year.—In this year the students serve as clinical clerks in the wards of a general hospital for two or three months, part of which time is devoted to acting as assistants to the clinic in the out-door departments. Each student is expected to work up some problem to present for discussion during these months. In this year the students who elect three months of medicine will have special instruction at a hospital exclusively for tuberculous patients. Opportunity is offered in the fourth year for specially qualified students to take advanced courses and carry on research problems in internal medicine.

FACILITIES FOR INSTRUCTION

The instruction is given at the Harvard Medical School, the Peter Bent Brigham Hospital, the Massachusetts General Hospital, the Boston City Hospital, the Beth Israel Hospital and several other hospitals devoted to special purposes. In these hospitals abundant and varied clinical material is available for the conduct of the numerous exercises.

SECOND YEAR

HOURS

Lectures and recitations on physical diagnosis and history taking. Dr. M. FREMONT-SMITH. B.C.H. and M.G.H.	19
Clinical Pathological exercises. Drs. AUB, MONROE and assistants. H.M.S. <i>Three times a week.</i>	90
Exercises in sections, physical diagnosis and history taking. Dr. M. FREMONT-SMITH and assistants. <i>Each student has twenty-nine exercises.</i>	58
Lectures and demonstrations on selected topics in internal medicine. Dr. JONES and associates.	24

THIRD YEAR

Lectures, recitations, and clinics on selected topics in internal medicine. Drs. CHRISTIAN, MINOT, MEANS, FITZ, BLUMGART, LOCKE, ROBey, FROTHINGHAM, and DERICK. <i>Throughout the year.</i>	70
Exercises in sections in the wards and out-patient departments at the M.G.H., B.C.H., P.B.B.H., and B.I.H. <i>Each section has thirty-two exercises of two and a half hours each and twenty-one exercises of three hours each.</i>	143

FOURTH YEAR

Clinical clerkship at M.G.H. (Medicine 1, Dr. MEANS and associates), B.C.H. (Medicine 2, Dr. MINOT and associates), P.B.B.H. (Medicine 3, Dr. CHRISTIAN and associates), or B.I.H. (Medicine 4, Dr. BLUMGART and associates).	288 or 432
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ROENTGENOLOGY

Instruction will be given (*a*) to students during their section work in general medicine and surgery at the various hospitals; (*b*) to the class as a whole in the combined exercises of Medicine and Surgery when such instruction is indicated by the topic under discussion.

ELECTIVE COURSES IN MEDICINE

FOURTH YEAR

MEDICINE 5. Advanced studies in Medicine. Dr. MEANS. M.G.H.	
MEDICINE 6. Advanced studies in Medicine. Dr. MINOT. B.C.H. Special arrangements can be made for men to spend half of their time in the tuberculosis clinics.	
MEDICINE 7. Advanced studies in Medicine. Dr. CHRISTIAN. P.B.B.H.	
MEDICINE 8. Advanced studies in Medicine. Dr. ROBey. B.C.H.	
MEDICINE 9. Advanced studies in Medicine. Dr. BLUMGART. B.I.H.	

VOLUNTARY COURSES IN MEDICINE

DISEASES OF THE HEART. Drs. P. D. WHITE and SPRAGUE. October, M.G.H.

MEDICAL TREATMENT OF COMMON DISEASES. Dr. PALFREY. Tuesdays, 2 P.M., February and March, H.M.S.

CORRELATION OF PHYSICAL SIGNS. Dr. ROBEY and associates. Thursdays, 3 to 5 P.M., March and April, B.C.H.

HYPERTENSIVE DISEASE AND NEPHRITIS. Dr. O'HARE. October. P.B.B.H.

CLINICAL MEDICINE. Drs. MINOT and JACKSON. B.C.H.

DIAGNOSIS AND TREATMENT OF DIGESTIVE DISEASES. Dr. DAVIDSON. Tuesdays and Thursdays, 2 P.M., November, B.C.H.

CLINICAL ELECTROCARDIOGRAPHY. Drs. LEVINE and FULTON. Tuesdays and Thursdays, 4 to 5.30, November. P.B.B.H.

DISEASES OF THE CARDIOVASCULAR SYSTEM. Drs. BLUMGART and ERNSTENE. March, B.I.H.

CLINICAL PATHOLOGICAL CONFERENCES. Drs. CABOT, WOLBACH, and T. B. MALLORY. Tuesdays throughout the year, P.B.B.H. and M.G.H.

DERMATOLOGY AND SYPHILOLOGY

E. LAWRENCE OLIVER, M.D., *Clinical Professor of Dermatology and Syphilology.*

GEORGE A. DIX, M.D., *Instructor in Syphilology.*

ARTHUR M. GREENWOOD, M.D., *Instructor in Dermatology.*

EDWARD W. KARCHER, M.D., *Instructor in Syphilology.*

*C. GUY LANE, M.D., *Instructor in Dermatology.*

JACOB H. SWARTZ, M.D., *Assistant in Dermatology.*

REQUIRED COURSES

Third Year. — A series of five lectures is given on succeeding Tuesdays beginning September 24. These lectures are elementary in character and are intended to give a bare outline only. The clinical section work is given at the Massachusetts General Hospital throughout the year, each section receiving instruction in the clinic from 10 to 12.30 daily. In the section work it is usually possible to present to the students most of the common important diseases of the skin and many of the manifestations of syphilis, which the students can observe and examine most minutely.

* Leave of absence, 1929-30.

THIRD YEAR

HOURS

Lectures. Dr. OLIVER. (H.M.S.)	<i>Five lectures, first half-year.</i>	5
Section work. Clinical Dermatology. Drs. GREENWOOD, LANE, and SWARTZ. (M.G.H.)	<i>Each student attends ten or eleven exercises of two and one-half hours each.</i>	27
Section work. Clinical Syphilology. Drs. DIX and KARCHER. (M.G.H.)	<i>Each student attends eight exercises of two and one-half hours each.</i>	20

FOURTH-YEAR ELECTIVE COURSES

DERMATOLOGY 1. Dr. OLIVER. Half-courses, forenoons, October, December, February, and April.

DERMATOLOGY 2. Dr. OLIVER and assistants. Clinical clerkship. Whole courses, all day, October, December, February, and April.

SYPHILOLOGY 1. Half-courses, mornings, offered throughout the school year.

DISEASES OF THE NERVOUS SYSTEM

This department is composed of three divisions :—

1. PSYCHIATRY, under Dr. CAMPBELL, at the Boston Psychopathic Hospital.
2. NEUROLOGY, under Dr. AYER, at the Massachusetts General Hospital and Dr. COBB, at the Boston City Hospital. (Dr. CROTHERS, at the Children's Hospital, in association with the Department of Pediatrics, will give instruction in nervous diseases of children.)
3. NEUROPATHOLOGY, under Dr. COBB, at the Harvard Medical School.

C. MACFIE CAMPBELL, M.D., *Professor of Psychiatry.*

STANLEY COBB, M.D., *Bullard Professor of Neuropathology.*

JAMES B. AYER, M.D., *James Jackson Putnam Clinical Professor of Neurology and Chairman of the Department.*

KARL M. BOWMAN, M.D., *Assistant Professor of Psychiatry.*

FRANK FREMONT-SMITH, M.D., *Assistant Professor of Neuropathology.*

HARRY C. SOLOMON, M.D., *Assistant Professor of Psychiatry.*

GEORGE CLYMER, M.D., *Instructor in Neurology.*

WILLIAM HERMAN, M.D., *Instructor in Psychiatry.*

WILLIAM G. LENNOX, M.D., *Instructor in Neuropathology.*

DONALD J. MACPHERSON, M.D., *Instructor in Neuropathology.*

CHARLES A. McDONALD, M.D., *Instructor in Neurology.*

MARTIN W. PECK, M.D., *Instructor in Psychiatry.*

TRACY J. PUTNAM, M.D., *Instructor in Neuropathology and Assistant in Surgery.*

OSCAR J. RAEDER, M.D., *Instructor in Psychiatry.*

HENRY R. VIETS, M.D., *Instructor in Neurology.*

F. LYMAN WELLS, Ph.D., *Instructor in Experimental Psychopathology.*

G. COLKET CANER, M.D., *Assistant in Neurology and in Neuropathology.*

GAYLORD P. COON, M.D., *Assistant in Psychiatry.*

FREDERIC A. GIBBS, M.D., *Assistant in Neuropathology.*

CHARLES S. KUBIK, M.D., *Assistant in Neurology and in Neuropathology.*

JOHN B. MCKENNA, M.D., *Assistant in Neuropathology.*

HIRAM H. MERRITT, Jr., M.D., *Assistant in Neuropathology.*

LAWRENCE R. MORRISON, M.D., *Assistant in Neuropathology.*

PAUL I. YAKOVLEV, M.D., *Assistant in Neuropathology.*

OLIVER S. ENGLISH, M.D., *Research Fellow in Psychiatry.*

HENRY S. FORBES, M.D., *Research Fellow in Neuropathology.*

MOSES R. KAUFMAN, M.D., *Research Fellow in Psychiatry.*

MARGARETHA A. RIBBLE, M.D., *Research Fellow in Psychiatry.*

JACKSON M. THOMAS, M.D., *Research Fellow in Psychiatry.*

PSYCHIATRY

REQUIRED COURSES

First Year.—Medical Psychology. Physiology deals with the reactions of the various organs and systems; psychology deals with the reactions of the individual to the environment. In this course on medical psychology the student will have an opportunity of studying briefly the emotional reactions, their modification by experience, the rôle played in these reactions by the various systems; the ability to receive, elaborate, store, and reactivate impressions; variations in constitutional endowment; special lines of weakness; the importance of personal factors in medicine in general, and especially in relation to nervous and mental disorders.

Third Year.—During the second half-year clinical lectures will be given once a week at the Psychopathic Hospital. An endeavor will be made to present examples of all the most important varieties of mental disorder, with special emphasis on the mild and incipient cases which are frequently treated by the general practitioner. More attention will be given to the dynamic analysis and the practical problems of the individual case than to questions of formal classification. Some examples of nervous and mental disorders of childhood will be presented.

For bed-side work the class is divided into small sections, and each student will be given opportunity for personally studying individual cases.

FIRST YEAR

HOURS

Lectures on Medical Psychology. Dr. CAMPBELL. (B.P.H.) *Once a week, March 17-May 26.* 10

THIRD YEAR

Clinical lectures. Dr. CAMPBELL and assistants. (B.P.H.) *Once a week, second half-year.* 16

Section teaching. Each student attends eleven three-hour exercises. 33

FOURTH-YEAR ELECTIVE COURSES

PSYCHIATRY 1. Whole courses or half-courses, forenoons or all day, offered throughout the year.

VOLUNTARY COURSE

PSYCHIATRY 2. Staff of the Department of Psychiatry, B.P.H., 2-3 P.M., Tuesdays and Thursdays, March.

NEUROLOGY

REQUIRED COURSES

Second Year. — Clinical lectures are given at the Massachusetts General Hospital to the entire class, once a week for eight weeks, second half-year. The object of the course is to give the student a general knowledge of the principles of diagnosis and treatment of diseases of the nervous system as a preparation for later work.

Third Year. — Clinical lectures are given during January of the third year, at the Massachusetts General Hospital. The members of the class are also required to work in the neurological services at the M.G.H. and B.C.H. in sections throughout the year for which work the more didactic teaching of the second year serves as a necessary preparation. This work is practical in character and serves to bring the student into immediate contact with patients.

SECOND YEAR

HOURS

Clinical lectures. Dr. AYER. (M.G.H.) *Once a week, March 29-May 3; twice a week, May 9-29.* 10

THIRD YEAR

Clinical lectures. Dr. AYER. (M.G.H.) *Saturdays in January.* 4

Section teaching. Each student attends ten or eleven two-and-a-half-hour exercises in Neurology. (M.G.H. and B.C.H.) 27

FOURTH-YEAR ELECTIVE COURSES

NEUROLOGY 1. Half-courses, forenoons, or whole courses (clerkships), all day, offered throughout the school year, M.G.H. or B.C.H. Experience has shown that the full-day plan is much more satisfactory than the half-day program.

NEUROLOGY 2. Special opportunities are offered to those who intend to enter this field of medicine.

VOLUNTARY COURSE

NEUROLOGY 1. Members of the Staff. Tuesdays and Thursdays, 3 P.M., February.

NEUROPATHOLOGY

REQUIRED COURSE

NEUROPATHOLOGY A. *Second Year.* — The course consists of lectures, laboratory work, and demonstrations, amounting to forty-five hours. The exercises are appropriately integrated with the clinical lectures in Neurology. The lectures introduce conceptions of value for the third-year courses in neurology and psychiatry and for the neurological parts of courses in internal medicine and in surgery. The histopathological part of the laboratory work deals with the inflammatory reactions, the classical degenerations, etc. Gross pathological specimens are also shown and physiological demonstrations are given to illustrate living pathological processes.

SECOND YEAR

HOURS

Lectures and laboratory work. The Staff. *Three times a week, March 26-May 8.*

45

FOURTH-YEAR ELECTIVE COURSE

NEUROPATHOLOGY 1. Research. Opportunities for research are available at the Laboratories of the H.M.S., B.P.H., M.G.H., and B.C.H. Time to be arranged.

VOLUNTARY COURSE

NEUROPATHOLOGY 2. Special work may be arranged with Dr. COBB for varying periods throughout the year.

OPHTHALMOLOGY

GEORGE S. DERBY, M.D., *Williams Professor of Ophthalmology.*

FREDERICK H. VERHOEFF, M.D., *Professor of Ophthalmic Research.*

J. HERBERT WAITE, M.D., *Assistant Professor of Ophthalmology.*

HUGO B. C. RIEMER, M.D., *Instructor in Ophthalmology.*

PAUL A. CHANDLER, M.D., *Assistant in Ophthalmology.*
 EDWIN B. DUNPHY, M.D., *Assistant in Ophthalmology.*
 HARRY K. MESSENGER, M.D., *Assistant in Ophthalmology.*
 BENJAMIN SACHS, M.D., *Assistant in Ophthalmology.*
 THEODORE L. TERRY, M.D., *Assistant in Ophthalmology.*
 CLYDE E. KEELER, M.D., *Research Fellow in Ophthalmology.*

REQUIRED COURSES

Third Year.—Instruction in Ophthalmology consists of:—

1. Four exercises at the Medical School devoted to the demonstration of lantern slides and illustrations of the subject matter to be considered, followed by quizzes based on lecture notes and the foregoing demonstration.
2. Ten or eleven clinical exercises of two and one-half hours each in sections at the Massachusetts Eye and Ear Infirmary, devoted to methods of examination, diagnosis, and treatment. Twelve hours of the foregoing is devoted to the use of the ophthalmoscope.

THIRD YEAR

HOURS

Clinical exercises. Drs. DERBY, DUNPHY, GOODALL, RIEMER, and SACHS. <i>In sections throughout the year.</i>	27
Demonstrations and quizzes. (H.M.S.) <i>Once a week, October and November.</i>	4

FOURTH-YEAR ELECTIVE COURSES

OPHTHALMOLOGY 1. Drs. DERBY, VERHOEFF, and WAITE. Whole course, mornings, occupying two months during the first half-year. Several exercises on advanced anatomy and physiology of the eye, neurology of the visual mechanism, modern methods of examination. Clinical study of the more difficult cases, operations on animals' eyes, operative clinics on hospital patients, study of the pathological histology of the eye. Limited to four men a month.

OPHTHALMOLOGY 2. Half-course, mornings, occupying one month. Comprises the first month of Ophthalmology 1.

PEDIATRICS

KENNETH D. BLACKFAN, M.D., *Thomas Morgan Rotch Professor of Pediatrics.*
 JAMES L. GAMBLE, M.D., *Associate Professor of Pediatrics.*
 FRITZ B. TALBOT, M.D., *Clinical Professor of Pediatrics.*
 BRONSON CROTHERS, M.D., *Assistant Professor of Pediatrics.*
 HAROLD L. HIGGINS, M.D., *Assistant Professor of Pediatrics.*
 RICHARD M. SMITH, M.D., *Assistant Professor of Child Hygiene.*

- HAROLD C. STUART, M.D., *Assistant Professor of Child Hygiene.*
 CHARLES F. MCKHANN, M.D., *Instructor in Pediatrics.*
 MAYNARD LADD, M.D., *Associate in Pediatrics.*
 ALLAN M. BUTLER, M.D., *Instructor in Pediatrics.*
 RANDOLPH K. BYERS, M.D., *Instructor in Pediatrics.*
 PAUL W. EMERSON, M.D., *Instructor in Pediatrics.*
 JOSEPH GARLAND, M.D., *Instructor in Pediatrics.*
 HYMAN GREEN, M.D., *Instructor in Pediatrics.*
 LEWIS W. HILL, M.D., *Instructor in Pediatrics.*
 GERALD N. HOFFEL, M.D., *Instructor in Pediatrics.*
 ELIOT HUBBARD, JR., M.D., *Instructor in Pediatrics.*
 WARREN R. SISSON, M.D., *Instructor in Pediatrics.*
 ABRAHAM S. SMALL, M.D., *Instructor in Pediatrics.*
 PHILIP H. SYLVESTER, M.D., *Instructor in Pediatrics.*
 EDWIN T. WYMAN, M.D., *Instructor in Pediatrics.*
 ROBERT D. CURTIS, M.D., *Assistant in Pediatrics.*
 LOUIS K. DIAMOND, M.D., *Assistant in Pediatrics.*
 RICHARD C. ELEY, M.D., *Assistant in Pediatrics.*
 RICHARD S. EUSTIS, M.D., *Assistant in Pediatrics.*
 HENRY E. GALLUP, M.D., *Assistant in Pediatrics.*
 ROBERT N. GANZ, M.D., *Assistant in Pediatrics.*
 STANTON GARFIELD, M.D., *Assistant in Pediatrics.*
 EDWARD S. GOODWIN, M.D., *Assistant in Pediatrics.*
 FRANK R. HOPKINS, M.D., *Assistant in Pediatrics.*
 ELIOT H. LUTHER, M.D., *Assistant in Pediatrics.*
 ARTHUR B. LYON, M.D., *Assistant in Pediatrics.*
 WILFRED L. MCKENZIE, M.D., *Assistant in Pediatrics.*
 HAROLD D. PYLE, M.D., *Assistant in Pediatrics.*
 ELI C. ROMBERG, M.D., *Assistant in Pediatrics.*
 RICHARD C. TEFFT, JR., M.D., *Assistant in Pediatrics.*
 ARTHUR R. TURNER, M.D., *Assistant in Pediatrics.*
 SIDNEY H. WEINER, M.D., *Assistant in Pediatrics.*
 RICHARD W. B. ELLIS, M.D., *Research Fellow in Pediatrics.*
 ALAN S. ROSS, M.D., *Research Fellow in Pediatrics.*
 FREDERICK M. SPENCER, M.D., *Research Fellow in Pediatrics.*
 JAMES L. WILSON, M.D., *Edward Hickling Bradford Fellow in Pediatrics.*

REQUIRED COURSES

Second Year. — Six lectures are given at the end of the second year to familiarize the student with the study of children's diseases before he comes into contact with patients. In this series are discussed the physi-

ology of nutrition and the principles of infant feeding, the anatomical and physiological differences between children and adults, and relationship between general and orthopaedic surgery and pediatrics.

Third Year.—1. Six whole class exercises are given during the first half-year, in which the more important aspects of the diseases of childhood are presented. Three whole class lectures in preventable diseases are conducted in collaboration with the Department of Preventive Medicine.

2. Section teaching: Two students are assigned to an instructor for sixteen periods (two hours each) where they are brought into intimate contact with patients in the out-patient department. Eight conference hours are held for each section in which certain aspects of pediatrics are illustrated by didactic talks, by demonstration and by quizzes on assigned reading. Five clinics in correlation with Orthopaedic and General Surgery are held at which the students present cases for discussion before the entire section. Five afternoon exercises during each period are devoted to the study of communicable diseases.

Fourth Year.—The fourth-year work consists of instruction at the Children's Hospital, the Infants' Hospital, and at the Children's Department of the Massachusetts General Hospital.

Students are divided into groups and assigned for one month to one of the hospitals. They act as clinical clerks.

One afternoon each week is spent in a Child Hygiene Station for instruction in infant feeding and preventive pediatrics. Instruction in the diseases of the newly born is given at the Lying-in Hospital one afternoon a week to the students during their obstetrical service.

SECOND YEAR

HOURS

Lectures. Drs. GAMBLE and McKHANN. (C.H.) <i>Once a week,</i> <i>April and May.</i>	6
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THIRD YEAR

Clinical lectures. Dr. BLACKFAN and associates. (C.H.) <i>First half-</i> <i>year.</i>	6
Section Teaching. (C.H. and I.H.) <i>Throughout the year.</i>	62

FOURTH YEAR

Clinical clerkship. (C.H., I.H., or M.G.H.)	144
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FOURTH-YEAR ELECTIVE COURSES

PEDIATRICS 2. Whole courses, all day, C.H. or M.G.H.

PEDIATRICS 3. Half-courses, mornings, C.H.

History of Medicine

VOLUNTARY COURSE

SEMINAR ON THE HISTORY OF MEDICINE. DR. STREETER. Thursday evenings, October through April. Open to third- and fourth-year men.

Surgery

Under this Division are included Surgery and the specialties relating chiefly to Surgery :— Genito-Urinary Surgery, Gynaecology, Laryngology, Orthopaedic Surgery, Otology.

SURGERY

(Including surgery, clinical surgery, operative surgery, surgical pathology, surgical technique, and the laboratory of surgical research.)

HARVEY CUSHING, M.D., *Moseley Professor of Surgery.*

EDWARD P. RICHARDSON, M.D., *John Homans Professor of Surgery.*

DAVID CHEEVER, M.D., *Associate Professor of Surgery.*

EDWARD D. CHURCHILL, M.D., *Associate Professor of Surgery.*

WILLIAM C. QUINBY, M.D., *Clinical Professor of Genito-Urinary Surgery.*

IRVING J. WALKER, M.D., *Clinical Professor of Surgery.*

J. DELLINGER BARNEY, M.D., *Assistant Professor of Genito-Urinary Surgery.*

ROBERT C. COCHRANE, M.D., *Assistant Professor of Surgery.*

JOHN HOMANS, M.D., *Assistant Professor of Surgery.*

WILLIAM E. LADD, M.D., *Assistant Professor of Surgery.*

MONROE A. McIVER, M.D., *Assistant Professor of Surgery.*

RICHARD H. MILLER, M.D., *Assistant Professor of Surgery.*

AUGUSTUS RILEY, M.D., *Assistant Professor of Genito-Urinary Surgery.*

HILBERT F. DAY, M.D., *Instructor in Surgery.*

OTTO J. HERMANN, M.D., *Instructor in Surgery.*

GILBERT HORRAX, M.D., *Instructor in Surgery and Secretary of the Department.*

GEORGE A. LELAND, JR., M.D., *Instructor in Surgery.*

FRANCIS C. NEWTON, M.D., *Instructor in Surgery.*

DANIEL F. JONES, M.D., *Associate in Surgery.*

CHANNING C. SIMMONS, M.D., *Associate in Surgery.*

WYMAN WHITTEMORE, M.D., *Associate in Surgery.*

ARTHUR W. ALLEN, M.D., *Instructor in Surgery.*

GEORGE D. CUTLER, M.D., *Instructor in Surgery.*

ERNEST M. DALAND, M.D., *Instructor in Surgery.*

HARRY F. HARTWELL, M.D., *Instructor in Surgery.*
 CHARLES C. LUND, M.D., *Instructor in Surgery.*
 CHARLES G. MIXTER, M.D., *Instructor in Surgery.*
 DONALD MUNRO, M.D., *Instructor in Surgery.*
 LUTHER G. PAUL, M.D., *Instructor in Surgery.*
 THOMAS K. RICHARDS, M.D., *Instructor in Surgery.*
 ALPHA R. SAWYER, M.D., *Instructor in Genito-Urinary Surgery.*
 EDWARD L. YOUNG, JR., M.D., *Instructor in Surgery.*
 GORDON D. ATKINSON, M.D., *Assistant in Genito-Urinary Surgery.*
 FRANKLIN G. BALCH, JR., M.D., *Assistant in Surgery.*
 RICHARD C. BUCKLEY, M.D., *Assistant in Surgery.*
 FLETCHER H. COLBY, M.D., *Assistant in Genito-Urinary Surgery.*
 ALLAN L. DAVIS, M.D., *Assistant in Surgery.*
 DANIEL J. DUGGAN, M.D., *Assistant in Surgery.*
 JACOB FINE, M.D., *Assistant in Surgery.*
 TORR W. HARMER, M.D., *Assistant in Surgery and Instructor in Anatomy.*
 E. PARKER HAYDEN, M.D., *Assistant in Surgery.*
 HENRY W. HUDSON, JR., M.D., *Assistant in Surgery.*
 THOMAS H. LANMAN, M.D., *Assistant in Surgery.*
 ROBERT R. LINTON, M.D., *Alumni Assistant in Surgery.*
 STANLEY J. G. NOWAK, M.D., *Assistant in Surgery.*
 PRODROMOS N. PAPAS, M.D., *Assistant in Genito-Urinary Surgery.*
 JOHN H. POWERS, M.D., *Assistant in Surgery.*
 TRACY J. PUTNAM, M.D., *Assistant in Surgery and Instructor in Neuro-pathology.*
 LYMAN G. RICHARDS, M.D., *Assistant in Surgery.*
 HORATIO ROGERS, M.D., *Assistant in Surgery.*
 RICHARD I. SMITH, M.D., *Assistant in Surgery.*
 GRANTLEY W. TAYLOR, M.D., *Assistant in Surgery.*
 AUGUSTUS THORNDIKE, JR., M.D., *Assistant in Surgery.*
 JAMES C. WHITE, M.D., *Assistant in Surgery.*
 HARLAN F. NEWTON, M.D., *Austin Teaching Fellow in Surgery.*

REQUIRED COURSES

Instruction will be given by amphitheatre clinics, lectures, and conferences, together with section teaching in the wards and out-patient departments of the hospitals and in the laboratory of surgical research. Elective and voluntary courses will be given in the laboratories of the Harvard Medical School and in the wards and operating rooms of the hospitals.

Second Year. — The course, which is designed to prepare the student for his hospital contact with patients, will begin in February of the second year. Instruction will be given by clinical lectures and section work in the

various hospitals and in the surgical laboratory. The course will cover the general principles of surgical treatment: surgical technique, the use of apparatus and instruments, and an introduction to clinical surgery, beginning with inflammation, trauma, etc.

Third Year.—The course is conducted largely in the out-patient departments of the hospitals affiliated with the School. Owing to a new arrangement, the students are to be divided into three main groups, each group in rotation being apportioned to one of the three major hospitals affiliated with the School for instruction in Surgery over a sixty-four day period. During this period they will have their general surgery, urology, and roentgenology at the hospital to which they are assigned, and will also receive instruction in gynaecology at the Woman's Free Hospital and in laryngology at the Massachusetts Eye and Ear Infirmary.

Fourth Year.—A service of not less than three months as clinical clerk in the surgical wards of the M.G.H., B.C.H., or P.B.B.H., is required of each student, except for those who take at least three months in Medicine, in which case two months of surgery are required.

SECOND YEAR

HOURS

Clinical lectures. Dr. RICHARDSON and associates. M.G.H. <i>Once a week, January 29–May 29.</i>	16
Section work. Dr. RICHARDSON and associates. Laboratory of Surgical Research, H.M.S. <i>Three times a week for two hours, January 29–May 8. Each student has nine exercises.</i>	38
Clinical lectures. M.G.H. <i>Once every alternate week, February 1–March 22 and May 9–29.</i>	6

THIRD YEAR

Amphitheatre lectures. Drs. CUSHING, RICHARDSON, WALKER, CHURCHILL and associates. P.B.B.H. <i>Once a week throughout the year.</i>	32
Exercises in sections in the wards and out-patient departments at the M.G.H., B.C.H., and P.B.B.H. <i>Each section has thirty-two exercises of two and a half hours each and twenty-one exercises of three hours each.</i>	143
Genito-urinary Surgery. Lectures. <i>Second half-year.</i>	6
Section work. M.G.H., B.C.H., and P.B.B.H. <i>Each student has ten or eleven two-and-a-half-hour exercises.</i>	27

FOURTH YEAR

Clinical clerkship at M.G.H. (Surgery 1, Dr. RICHARDSON and associates), B.C.H. (Surgery 2, Drs. WALKER, CHURCHILL, and associates), or P.B.B.H. (Surgery 3, Dr. CUSHING and associates). 288 or 432

FOURTH-YEAR ELECTIVE COURSES

SURGERY 4. Clinical clerkships in Children's Surgery. Dr. LADD and Staff. C.H. All day, throughout the year. A limited number of students will be accepted.

SURGERY 5. Genito-Urinary Surgery. Dr. COCHRANE, B.C.H. Half-course, mornings; or, with the permission of the instructor, whole course, all day.

SURGERY 6. Genito-Urinary Surgery. Dr. BARNEY. M.G.H. Half-course, mornings; or, with permission of the instructor, whole course, all day.

SURGERY 7. Genito-Urinary Surgery. Dr. QUINBY. P.B.B.H. Whole course, all day. Limited to two men each month.

SURGERY 8. Research. H.M.S. Whole course, all day.

SURGERY 9. Roentgenology. Drs. HOLMES, BUTLER, and SOSMAN. Whole course, all day.

SURGERY 10. Surgical Pathology of Tumors. Dr. GREENOUGH. Half-course, afternoons of January. (See Pathology 11.)

VOLUNTARY COURSES

OPERATIVE SURGERY. Dr. F. C. NEWTON. Laboratory of Surgical Research, H.M.S. Thursdays, 2 to 5 P.M., November through January and February through April. Open to third-year students. Application should be made to Dr. NEWTON.

INVESTIGATION. Drs. McIVER and J. C. WHITE. M.G.H. Clinical and experimental work, conferences, supervised reading. Time to be arranged. Limited to properly qualified third and fourth-year men.

SELECTED SURGICAL PROBLEMS RELATED TO THE GASTRO-INTESTINAL TRACT. Dr. McIVER, M.G.H. Tuesdays and Thursdays, 2.30 to 4 P.M., January. Limited to third-year students.

AUTOPSIES. Dr. MAGRATH. 18 North Grove St., Tuesdays, 4.45 P.M., November 5 through April 29.

CLINICAL PATHOLOGICAL CONFERENCES in conjunction with the Departments of Medicine and Pathology.

GYNAECOLOGY

- WILLIAM P. GRAVES, M.D., *W. H. Baker Professor of Gynaecology.*
 ROBERT M. GREEN, M.D., *Instructor in Gynaecology and Assistant Professor of Applied Anatomy.*
 FREDERICK L. GOOD, M.D., *Instructor in Gynaecology.*
 NATHANIEL R. MASON, M.D., *Instructor in Gynaecology and in Obstetrics.*
 FRANK A. PEMBERTON, M.D., *Instructor in Gynaecology.*
 RICHARD G. WADSWORTH, M.D., *Instructor in Gynaecology.*
 JOHN T. WILLIAMS, M.D., *Instructor in Gynaecology.*
 CARMI R. ALDEN, M.D., *Assistant in Gynaecology.*
 HAROLD W. BAKER, M.D., *Assistant in Gynaecology.*
 JOSEPH P. COHEN, M.D., *Assistant in Gynaecology.*
 PIERCE J. DUNPHY, M.D., *Assistant in Gynaecology.*
 HAROLD V. HYDE, M.D., *Assistant in Gynaecology and in Anatomy.*
 FREDERICK J. LYNCH, M.D., *Assistant in Gynaecology.*
 REGINALD D. MARGESON, M.D., *Assistant in Gynaecology and in Anatomy.*
 JOHN ROCK, M.D., *Assistant in Gynaecology and in Obstetrics.*
 EDWARD B. SHEEHAN, M.D., *Assistant in Gynaecology.*
 ABRAHAM S. TROUPIN, M.D., *Assistant in Gynaecology.*
 GEORGE V. S. SMITH, M.D., *Research Fellow in Gynaecology.*

REQUIRED COURSES

Third Year.—Instruction is given by lectures and clinical teaching in the third year. Clinics are held in the wards and out-patient departments of the Free Hospital for Women and the Boston City Hospital. The student is instructed in the examination and diagnosis of gynaecological disease, and in the technic of gynaecological operations.

THIRD YEAR

HOURS

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| Lectures. Drs. GRAVES and PEMBERTON. (H.M.S.) <i>November to January, first half year.</i> | 6 |
| Clinical exercises. Drs. GRAVES, WADSWORTH, BAKER, SHEEHAN and ROCK (F.H.W.), and Drs. MASON, GREEN, COHEN, GOOD, HYDE, WILLIAMS and MARGESON (B.C.H.). <i>In sections, throughout the year. Each student attends ten or eleven exercises.</i> | 27 |

FOURTH-YEAR ELECTIVE COURSE

- GYNAECOLOGY 1. Dr. GRAVES, assisted by Drs. PEMBERTON, WADSWORTH, SHEEHAN, BAKER, and ROCK. (F.H.W.) Whole courses or half-courses, mornings, offered throughout the year.

LARYNGOLOGY

- HARRIS P. MOSHER, M.D., *Professor of Laryngology.*
 HARRY A. BARNES, M.D., *Instructor in Laryngology.*
 FREDERICK E. GARLAND, M.D., *Instructor in Laryngology.*
 JOSEPH L. GOODALE, M.D., *Instructor in Laryngology.*
 D. CROSBY GREENE, M.D., *Instructor in Laryngology.*
 CHARLES D. KNOWLTON, M.D., *Instructor in Laryngology.*
 WILLIAM I. WIGGIN, M.D., *Instructor in Laryngology.*
 ROBERT L. GOODALE, M.D., *Assistant in Laryngology.*
 EDWARDS W. HERMAN, M.D., *Assistant in Laryngology.*
 JAMES C. KIRBY, M.D., *Assistant in Laryngology.*
 D. CAMPBELL SMYTH, M.D., *Assistant in Laryngology.*
 HAROLD G. TOBEY, M.D., *Assistant in Laryngology.*
 GEORGE H. WRIGHT, D.M.D., *Assistant in Laryngology.*
 FRANCIS L. WEILLE, M.D., *Research Fellow in Laryngology and Assistant in Otology.*

REQUIRED COURSES

Third Year.—Instruction consists of lectures and section work in the third year, each section being assigned to the throat clinic of the Massachusetts General Hospital. In addition to clinical instruction, special exercises or demonstrations will be given.

THIRD YEAR

HOURS

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| Clinical exercises. Staff. <i>Ten or eleven exercises for each student.</i> | 27 |
| Lectures. Dr. Mosher and assistants. (H.M.S.) | 6 |

FOURTH-YEAR ELECTIVE COURSE

- LARYNGOLOGY 1. Half-course or quarter-course, mornings, offered throughout the year. (M.G.H.)

ORTHOPAEDIC SURGERY

- ROBERT B. OSGOOD, M.D., *John B. and Buckminster Brown Professor of Orthopaedic Surgery.*
 PHILIP D. WILSON, M.D., *Instructor in Orthopaedic Surgery.*
 ALBERT H. BREWSTER, M.D., *Instructor in Orthopaedic Surgery.*
 LLOYD T. BROWN, M.D., *Instructor in Orthopaedic Surgery.*
 HENRY J. FITZSIMMONS, M.D., *Instructor in Orthopaedic Surgery.*
 ARTHUR T. LEGG, M.D., *Instructor in Orthopaedic Surgery.*
 FRANK R. OBER, M.D., *Instructor in Orthopaedic Surgery.*
 JAMES W. SEVER, M.D., *Instructor in Orthopaedic Surgery.*
 MARIUS N. SMITH-PETERSEN, M.D., *Instructor in Orthopaedic Surgery.*

ROBERT SOUTTER, M.D., *Instructor in Orthopaedic Surgery.*
 LORING T. SWAIM, M.D., *Instructor in Orthopaedic Surgery.*
 EDWIN CAVE, M.D., *Assistant in Orthopaedic Surgery.*
 JOHN G. KUHN, M.D., *Assistant in Orthopaedic Surgery.*
 ROBERT H. MORRIS, M.D., *Assistant in Orthopaedic Surgery.*
 WILLIAM A. ROGERS, M.D., *Assistant in Orthopaedic Surgery.*
 FREDERIC C. BOST, M.D., *Teaching Fellow in Orthopaedic Surgery.*
 FRANK BROSTROM, M.D., *Teaching Fellow in Orthopaedic Surgery.*

REQUIRED COURSES

Third Year.—Instruction is given in Orthopaedic Surgery by lectures at the Children's Hospital in the second half of the third year, and throughout the third year by clinical exercises at the Children's Hospital, Massachusetts General Hospital, Peter Bent Brigham Hospital and Boston City Hospital.

THIRD YEAR	HOURS
Lectures. Professor OSGOOD. (C.H.) <i>Second half-year.</i>	8
Clinical exercises. Professor OSGOOD and associates. (C.H., M.G.H., P.B.B.H., and B.C.H.) <i>In sections throughout the year.</i>	30

The students are assigned to the Children's Hospital for thirty-two days to receive correlated clinical instruction in the diseases and disabilities of children. The clinical exercises in Orthopaedic Surgery will be given during this period.

The clinical exercises in Orthopaedic Surgery and Industrial Surgery of adults will be correlated with clinical exercises in General Surgery at the Massachusetts General, the Peter Bent Brigham and the Boston City Hospitals during the three months that each student is assigned to one of these hospitals for his clinical instruction in General Surgery.

FOURTH-YEAR ELECTIVE COURSES

- ORTHOPAEDIC SURGERY 1. Half-course, afternoons, December. Given for not less than ten students.
- ORTHOPAEDIC SURGERY 2. Whole course, all day, offered throughout the school year. M.G.H. and C.H.
- ORTHOPAEDIC SURGERY 3. Half-course, mornings, offered throughout the school year. Out-patient Department, C.H.
- ORTHOPAEDIC SURGERY 4. Half-course, mornings, offered throughout the school year. Out-patient Department, M.G.H.
- ORTHOPAEDIC SURGERY 5. Half-course, mornings, offered throughout the school year. Out-patient Department and wards, C.H., and Out-patient Department and wards, M.G.H.
- ORTHOPAEDIC SURGERY 6. Professor OSGOOD and Staff. C.H. Half-course, afternoons, offered throughout the year.

OTOLOGY

D. HAROLD WALKER, M.D., *Walter Augustus Lecompte Professor of Otolology.*

CALVIN B. FAUNCE, JR., M.D., *Assistant Professor of Otolology.*

HARRY P. CAHILL, M.D., *Instructor in Otolology.*

FREDERICK L. BOGAN, M.D., *Instructor in Otolology.*

CHARLES O. DAY, M.D., *Instructor in Otolology.*

PHILIP E. MELTZER, M.D., *Instructor in Otolology.*

CHARLES T. PORTER, M.D., *Instructor in Otolology.*

MOSES H. LURIE, M.D., *Assistant in Otolology.*

FRANCIS L. WEILLE, M.D., *Assistant in Otolology and Research Fellow in Laryngology.*

LEON E. WHITE, M.D., *Assistant in Otolology.*

Third Year.—Instruction is given by lectures at the Harvard Medical School and clinical instruction in the third year in sections, each student receiving instruction every morning for two weeks at the Massachusetts Eye and Ear Infirmary with anatomical and histological demonstrations at the Harvard Medical School.

THIRD YEAR

HOURS

Clinical exercises in sections. Dr. WALKER and Staff. (E. and E.I.)

Every student has eight exercises. 20

Lectures. (H.M.S.) *Once a week. March.* 5

FOURTH-YEAR ELECTIVE COURSES

OTOLOGY 1. Quarter-course, mornings, offered throughout the year.

OTOLOGY 2. Half-course, mornings, October to January.

Obstetrics

FRANKLIN S. NEWELL, M.D., *Professor of Clinical Obstetrics.*

FREDERICK C. IRVING, M.D., *Assistant Professor of Obstetrics.*

ROBERT L. DENORMANDIE, M.D., *Instructor in Obstetrics.*

FOSTER S. KELLOGG, M.D., *Instructor in Obstetrics.*

NATHANIEL R. MASON, M.D., *Instructor in Obstetrics and in Gynaecology.*

JOHN B. SWIFT, JR., M.D., *Instructor in Obstetrics.*

SAUL BERMAN, M.D., *Assistant in Obstetrics.*

ARTHUR B. DONOVAN, M.D., *Assistant in Obstetrics.*

DELOS J. BRISTOL, JR., M.D., *Assistant in Obstetrics.*

MARION F. EADES, M.D., *Alumni Assistant in Obstetrics.*

THOMAS R. GOETHALS, M.D., *Assistant in Obstetrics.*

PAUL GUSTAFSON, M.D., *Assistant in Obstetrics.*

DELBERT L. JACKSON, M.D., *Assistant in Obstetrics.*

JOHN ROCK, M.D., *Assistant in Obstetrics and in Gynaecology.*

JUDSON A. SMITH, M.D., *Assistant in Obstetrics.*

JOSEPH V. TAYLOR, M.D., *Assistant in Obstetrics.*

W. T. SHERMAN THORNDIKE, M.D., *Assistant in Obstetrics.*

WILLIAM B. YOUNG, M.D., *Assistant in Obstetrics.*

DONALD MACOMBER, M.D., *Research Fellow in Obstetrics.*

REQUIRED COURSES

Third Year.—Instruction is given by lectures, conferences, and clinical teaching. Students are required to take charge, before graduation, of at least twelve cases of labor, under supervision and instruction, to care for their patients during the convalescence, and to make full written reports of the cases.

Fourth Year.—The fourth-year course will occupy the student's entire time for one month. It will be given at the Boston Lying-in Hospital and at the Medical School. During half of the course the student will lodge at the hospital, and devote his time chiefly to attendance on cases in the out-patient clinic. In the course of his work he will be called on to assist at operations in the out-patient department, and will be expected, when his other duties permit, to make ward visits with the physician on duty in the house. In the other half of the course he will conduct the convalescence of the cases delivered by him during his resident service, and make daily ward visits at which clinical instruction will be given in the general management of normal and abnormal labor, in the study of the puerperal convalescence, and in the care of the young infant. Detailed written reports of the out-patient cases attended will be required. His clinical work will be done under the supervision of the department and of the hospital staff on duty, and he will receive careful instruction in the proper methods of delivery and the care of the convalescence. An opportunity will be given each student to study the care of pregnancy in the Pregnancy Clinic, where instruction in pelvimetry and in diagnosis of presentation and position by external examination will be given. Case teaching on four afternoons during the week will be an important feature of the course. The student will also be given at the Medical School a course of demonstrations in operative obstetrics during the first week of each course, and each student will have an opportunity to perform the different operations on the manikin.

SECOND YEAR

HOURS

Lectures. Dr. KELLOGG. (H.M.S.) *Twice a week, April 16–May 28.* 12

THIRD YEAR

Lectures and conferences on Obstetrics. Dr. NEWELL and assistants.

(H.M.S.) *On Friday mornings for twenty-four weeks.*

24

Practical instruction in Clinical Obstetrics. By members of the Department. *Throughout the year.*

72

FOURTH YEAR

Practical instruction, in sections, in Clinical Obstetrics. *One month.* 144

Tropical Medicine

RICHARD P. STRONG, M.D., S.D., *Professor of Tropical Medicine.*

JOSEPH C. BEQUAERT, PH.D., *Assistant Professor of Entomology.*

LEMUEL R. CLEVELAND, S.D., *Assistant Professor of Protozoölogy.*

A. WATSON SELLARDS, M.D., *Assistant Professor of Tropical Medicine.*

GEORGE C. SHATTUCK, M.D., A.M., *Assistant Professor of Tropical Medicine.*

JACK H. SANDGROUND, S.M., S.D., *Instructor in Tropical Helminthology.*

MAX THEILER, M.R.C.S., L.R.C.P., *Instructor in Tropical Medicine.*

CARLOS CHAGAS, A.M., *Lecturer on Tropical Medicine.*

WILLIAM E. DEEKS, M.D., A.M., *Lecturer on Tropical Medicine.*

A. HAMILTON RICE, M.D., A.M., *Lecturer on Diseases of South America.*

CLARK W. HEATH, M.D., *Assistant in Tropical Medicine and in Medicine.*

ALBERT A. HORNOR, M.D., *Assistant in Tropical Medicine.*

CLAY G. HUFF, S.D., *Research Fellow in Tropical Medicine.*

TROPICAL MEDICINE 1. Opportunities for work in the Service for Tropical Diseases at the Boston City Hospital, either for graduates as house-officer or for undergraduates as clinical clerk; time to be arranged upon consultation with Dr. GEORGE C. SHATTUCK.

Medical Zoölogy and Tropical Medicine

The following courses in Medical Zoölogy and Tropical Medicine are given in the Departments of Comparative Pathology and Tropical Medicine. Students coming from tropical or subtropical countries, or those who intend to practise in such countries, are especially urged to elect these courses. Further details concerning the same may be obtained from Dr. R. P. STRONG, Room 245, Building D, or from Dr. E. E. TYZZER, Room 229, Building E.

1. PROTOZOÖLOGY. Drs. TYZZER, CLEVELAND and HOBBS. Half-course, afternoons. October.

Following a brief preliminary survey of the field of Medical Zoölogy, such protozoa as are considered of medical importance will be taken up with special reference to their identification and life-cycles.

2. **HELMINTHOLOGY.** Drs. AUGUSTINE, SANDGROUND and HOBBS. Half-course, afternoons. November.

It is designed to give the student a general knowledge of the biology of the helminthes, and to acquaint him with those species parasitic in man and the diseases caused by them.

3. **MEDICAL ENTOMOLOGY.** Drs. BEQUAERT and HERTIG. Half-course, afternoons. December.

The course is a brief survey of the field of Medical Entomology. While some attention is given to the classification and structure of arthropods, emphasis is placed on the rôle played by insects as disease transmitters.

4. **INFECTIOUS DISEASES.** Drs. STRONG, SELLARDS, SHATTUCK, and THEILER. Half-course, afternoons. January.

The course consists of lectures, laboratory work, and clinical instruction.

The most important infectious and other preventable diseases of tropical and foreign countries will be dealt with.

See also Comparative Pathology, p. 69.

PHYSICAL EDUCATION

The instructor in Physical Education plans the work in order to benefit the health of the medical student and also to give him an opportunity of realizing the importance of systematic exercise in the maintenance of health. To this end close coöperation is maintained with those in charge of the physical examination and the health of the students. A student may elect the type of exercise best suited to his particular needs as advised at the time of his physical examination.

RESERVE OFFICERS' TRAINING CORPS

A medical unit of the Reserve Officers' Training Corps provides systematic training for the purpose of qualifying selected students for appointment in the medical officers Reserve Corps in the military forces of the United States. Thirty lectures on medico-military subjects are given by the Professor of Military Science and Tactics during each of the four school years to the students who have been enrolled as members of the medical unit. There are two courses of instruction, basic and advanced, the former occupying the first two years, the latter the last two years of the medical course. Selected students are eligible for appointment as internes in Army hospitals for twelve months. This follows appointment to the Reserve Corps upon receiving the degree in medicine.

In addition to the instruction by means of lectures, students who have completed the basic course and have been enrolled in the advanced course

will attend a course of military instruction of about six weeks' duration at a summer camp.

Having completed the basic course, students are entitled to draw, during the last two years, while enrolled in the advanced course, commutation of rations amounting at present to approximately \$108 per annum, paid quarterly. This, with camp allowances, amounts to some \$250 for the last two years. All expenses of the camp term, including transportation, are borne by the War Department. This camp of instruction lasts six weeks and is held at the Camp designated by War Department Order. With the exception of 1928 the summer training has been given at the Medical Field Service School, Carlisle, Pennsylvania.

TABULAR VIEW OF UNDERGRADUATE COURSES

FIRST YEAR—First Half-Year

SEPT. 23, 1929—JAN. 28, 1930 (*All dates inclusive*)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-12	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	
2-4.30	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	Anatomy or Histology	

FIRST YEAR—Second Half-Year

JAN. 29—MAY 29, 1930 (*All dates inclusive*)

9-12.30	Physiology	Biological Chemistry Lecture at 9	Physiology	Biological Chemistry Lecture at 9	Physiology	Biological Chemistry Lecture at 9
2-4	Physiology	Biological Chemistry			Physiology	
4-5	March 17-May 26 (10 weeks) Medical Psychology				Biological Chemistry Personal conferences	

SECOND YEAR — First Half-Year

SEPT. 24, 1929 — JAN. 28, 1930 (*All dates inclusive*)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10		Pharmacology		Pharmacology		Pharmacology
10-11	Pathology	$\frac{1}{3}$ Pharmacology $\frac{2}{3}$ Pathology	Pathology	$\frac{1}{3}$ Pharmacology $\frac{1}{3}$ Pathology $\frac{1}{2}$ Anatomy	Pathology	$\frac{1}{3}$ Pharmacology $\frac{1}{3}$ Pathology $\frac{1}{2}$ Anatomy
11-12.30						
12.30-2						
2-5	Bacteriology		Bacteriology		Bacteriology	

Vacation: Dec. 23 — Jan. 2.

Holidays: Oct. 12; Nov. 11; Nov. 28.

SECOND YEAR—Second Half-Year

JANUARY 29—MAY 29, 1930 (All dates inclusive)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jan. 29-May 8 (13 weeks)	9-10 Pharmacology	Medicine Thorndike Building B.C.H.	Pharmacology	Surgery† M. G. H. Lower O. P. Amph.	Pharmacology	Feb. 2-Mar. 22 (9 weeks) Medicine* M.G.H. Lower O. P. Amph. or Surgery*† Mar. 29-May 2 (4 weeks) Neurology M.G.H. Ether Dome
	10-10.30 Pathology (8 weeks) Jan. 29-Mar. 26 Neuropathology (5 weeks) Mar. 28-May 8	Div. A: Med.† Div. B: Surg.† Alternate weeks Div. B: Med.† Div. A: Surg.†	Pathology (8 weeks) Jan. 29-Mar. 26 Neuropathology (5 weeks) Mar. 28-May 8	Div. B: Med.† Div. A: Surg.† Alternate weeks Div. A: Med.† Div. B: Surg.†	Pathology (8 weeks) Jan. 29-Mar. 26 Neuropathology (5 weeks) Mar. 28-May 8	Div. A: Med.† Div. B: Surg.† Alternate weeks Div. B: Med.† Div. A: Surg.†
	12.30-1					
May 9-May 29 (8 weeks)	9-10 Medicine P.B.B.H.	Neurology M.G.H. Ether Dome	Medicine P.B.B.H.	Surgery M. G. H. Lower O.P. Amph.	Neurology M.G.H. Ether Dome	Med. or Surg. M.G.H. Lower O.P. Amph. Alternate weeks† (1st week Medicine)
	10-10.30	Div. A: Med.† Div. B: Clinic P.B.B.H.	Div. B: Med.† Div. A: Clinic M.G.H. Lower O.P. Amph.	Div. A: Med.† Div. B: Clinic M.G.H. Lower O.P. Amph.	Div. B: Med.† Div. A: Clinic M.G.H. Lower O.P. Amph.	Div. A: Med.† Div. B: Clinic M.G.H. Lower O.P. Amph.
	10.30-12.30					
Jan. 29-Apr. 16 (10 weeks)	2-5 Jan. 29-Feb. 24 (4 weeks) Parasitology Feb. 26-Apr. 16 (6 weeks) Clin. Pathology Bldg. D		Jan. 29-Feb. 24 (4 weeks) Parasitology Feb. 26-Apr. 16 (6 weeks) Clin. Pathology Bldg. D		Jan. 28-Feb. 24 (4 weeks) Parasitology Feb. 26-Apr. 16 (6 weeks) Clin. Pathology Bldg. D	
Apr. 18-May 29 (6 weeks)	2-4 Clin. Pathology Bldg. D		Clin. Pathology Bldg. D		Clin. Pathology Bldg. D	
	4-5 Pediatrics C. H. Amphitheatre		Obstetrics Bldg. D Amph.		Obstetrics Bldg. D Amph.	

Holidays: Feb. 22; April 19.

* Alternate weeks; Surgery first week.

† See Bulletin Board, H. M. S., for place of meeting.

† Section Work.

THIRD YEAR SCHEDULE

UNDERGRADUATE COURSES. — TABULAR VIEW

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Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.30-9.30	Lecture	Lecture	Lecture	Lecture	Lecture	Lecture
10-12.30	Div. A: a. Medicine b. Med. Spec.* Div. B: a. Surgery b. Surg. Spec.† Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: a. Med. Spec.* b. Medicine Div. B: a. Surg. Spec.† b. Surg. Spec.† Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: a. Medicine b. Med. Spec.* Div. B: a. Surgery b. Surg. Spec.† Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: a. Med. Spec.* b. Medicine Div. B: a. Surg. Spec.† b. Surg. Spec.† Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: a. Medicine b. Med. Spec.* Div. B: a. Surgery b. Surg. Spec.† Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: a. Med. Spec.* b. Medicine Div. B: a. Surg. Spec.† b. Surgery Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology
12.30-2	Div. A: Medicine Div. B: Surgery Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: Medicine Div. B: Surgery Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: Medicine Div. B: Surgery Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: Medicine Div. B: Surgery Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Preventive Medicine, Lecture, and Clinical Conference	
2-5	Div. A: Medicine Div. B: Surgery Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: Medicine Div. B: Surgery Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: Medicine Div. B: Surgery Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Div. A: Medicine Div. B: Surgery Div. C: Children's Diseases Obstetrics Psychiatry Otolaryngology Syphilology	Preventive Medicine, Lecture, and Clinical Conference	

* Med. Spec. = Neurology, Ophthalmology, Dermatology. † Surg. Spec. = Genito-Urinary Surgery, Gynaecology, Laryngology.
Divisions A, B, and C interchange every 64 days. (Under Division C, 32 days are devoted to Children's Diseases.)

FOURTH-YEAR PROGRAMME

(Each block represents one month. Order of subjects variable.)

	1	2	3	4
MORNING	Medicine 1, 2, 3, or 4	Medicine 1, 2, 3, or 4	Medicine 1, 2, 3, or 4 or Surgery 1, 2, or 3	Surgery 1, 2, or 3
AFTERNOON				
	5	6	7	8
MORNING	Surgery 1, 2, or 3	Obstetrics 1	Pediatrics 1	Elective
AFTERNOON				

A student may gain time for additional elective courses for required courses of the fourth year, by anticipating the required work of the year during the vacation period between the third and fourth years. In very exceptional cases a student will be permitted to substitute elective for required courses without anticipating the required work during the summer.

DEGREES

ON FEBRUARY 25, 1929, DEGREES WERE CONFERRED AS FOLLOWS:

M.D.

Siegfried Elias Katz, A.B. (*Univ. of Michigan*) 1917, S.M. (*ibid.*) 1917.
John Henry Steidl, A.B. (*Univ. of Illinois*) 1920.

ON JUNE 20, 1929, DEGREES WERE CONFERRED AS FOLLOWS:

M.D.

Herbert Dan Adams.
John Adams, Jr., A.B. 1925.
Morton Arnold, S.B. 1925.
Hugo Linden Bair, S.B. 1925.
William Grout Barrett, S.B. (*Univ. of California*) 1924.
Francis Senter Bascom, A.B. (*Yale Univ.*) 1924.
Charles Bradley, A.B. (*Cornell Univ.*) 1925.
Ernest Frederick Bright, A.B. (*Hiram Coll.*) 1925.
Weston Turner Buddington, A.B. (*Princeton Univ.*) 1925.
Kenneth George Bulley, A.B. (*Univ. of Wisconsin*) 1925.
Hobart Alexander Burch, A.B. (*Lawrence Coll.*) 1927, A.M. (*Univ. of Wisconsin*) 1927.
Anthony Vandril Cadden, S.B. (*West Virginia Univ.*) 1927.
Hyman Cantor, S.B. (*Richmond Coll.*) 1925.
Ettore Francis Carniglia, A.B. 1925.
Duane Mills Carr, A.B. (*Univ. of Michigan*) 1924.
Frederick Thomas Cavanaugh, A.B. (*Georgetown Univ.*) 1925.
Rupert Addison Chittick, S.B. (*Univ. of Nebraska*) 1923, A.M. (*ibid.*) 1924.
Williams Cochran, A.B. (*Princeton Univ.*) 1925.
George Mitchell Cohn, A.B. (*Cornell Univ.*) 1925.
Ethan Theodore Colton, Jr., S.B. (*Wesleyan Univ.*) 1925.
Lazare John Courtright, A.B. (*Drake Univ.*) 1925.
Henry Baker Crawford, S.B. (*Dartmouth Coll.*) 1926.
Thomas Woolstone Dixon.
Leslie Chester Dodson, A.B. (*Berea Coll.*) 1922.
Paul Cothonneau Dozier, A.B. (*Univ. of California*) 1926.
George Lyman Driver, A.B. (*Univ. of Missouri*) 1926, A.M. (*ibid.*) 1927.
Edgar Durbin, A.B. 1925 (1926).
Adolph William Eckstein, PH.B. (*Brown Univ.*) 1925.
Lawrence Newton Ettelson, S.B. (*Tufts Coll.*) 1925.
James Irving Farrell, A.B. (*Hamilton Coll.*) 1925.
Jackson Flanders, S.B. 1924.
Joseph Cary Gayl, S.B. 1925.
Elmer Hutchinson Gillespie, S.B. (*Univ. of Washington*) 1925.
Bernard Barrett Gilman, S.B. 1925.
Ralph Lawrence Gilman, A.B. 1925.
Robert Putnam Goodkind, S.B. (*New York Univ.*) 1925.
Robert Hancock Goodwin, A.B. (*Princeton Univ.*) 1925.
Sidney Chase Graves, A.B. 1924 (1925).
Harold Hartley Greene, A.B. (*Stanford Univ.*) 1925, S.B. (*Univ. of Missouri*) 1927.
Sven Martin Gundersen.
Morris Harry Hadler, A.B. 1925.

- Norvell Leonard Haislip, A.B. (*West Virginia Univ.*) 1924, S.B. (*ibid.*) 1926.
 Earle Allaway Harvey, S.B. (*Univ. of Washington*) 1925.
 George Marvin Hass.
 Cornelius Hawkins Hawes, A.B. 1923.
 Herbert Emanuel Hedberg.
 Olin Carlton Hendrix, A.B. (*Univ. of North Carolina*) 1923.
 Saul Hertz, A.B. (*Univ. of Michigan*) 1925.
 Nels Alfred Hill, S.B. (*Iowa State Coll.*) 1923, S.M. (*Univ. of Wisconsin*) 1924.
 William Fenn Hoyt, A.B. (*Hamilton Coll.*) 1925.
 David Hurwitz, S.B. 1925.
 Gilbert Thomas Hyatt, A.B. (*Washington Univ.*) 1924.
 Charles William Ingle, Jr., S.B. (*Rutgers Coll.*) 1925.
 John Alexander Isherwood, PH.B. (*Brown Univ.*) 1925.
 Eugene Lyon Jewett, B.CHEM. (*Cornell Univ.*) 1922.
 Sylvester Baker Kelley, S.B. 1925.
 Paul Brooks Kelly, A.B. (*Lake Forest Coll.*) 1925.
 Charles Ernst Kremer, Jr.
 Irving Kushner, S.B. (*Coll. of the City of New York*) 1924.
 Joseph Labovitz, A.B. 1925 (1924).
 William Lessel Leet, S.B. (*Norwich Univ.*) 1923.
 Donald William Leonard, S.B. (*Wesleyan Univ.*) 1925.
 Harold Irving Leroy Loverud, A.B. (*Univ. of Wisconsin*) 1925.
 Francis Charles McDonald, A.B. (*Univ. of Utah*) 1926.
 Sylvester McGinn, A.B. (*Dartmouth Coll.*) 1926.
 Benjamin Salvatore McKendall, A.B. (*Brown Univ.*) 1925.
 John Bernard McKenna, Jr., S.B. (*Providence Coll.*) 1924.
 Roy Elbridge Mabrey, A.B. (*Illinois Coll.*) 1925.
 Vincent Salvator Maggio, S.B. (*New York Univ.*) 1925.
 William deGutierrez Mahoney, A.B. (*Coll. of the Holy Cross*) 1925.
 Joseph Henry Marks, A.B. (*Univ. of Wisconsin*) 1925, A.M. (*ibid.*) 1926.
 Guillermo Sebastian Marques, S.B. 1925.
 David Kimball Miller, S.B. (*Illinois Wesleyan Univ.*) 1925.
 Albert Ely Morris, S.B. (*Dartmouth Coll.*) 1926.
 Antonio Maria Ortiz y Ortiz, S.B. 1926 (1925).
 Eugene Palmore Owen.
 Edward Choate Pallette, A.B. (*Stanford Univ.*) 1925, A.M. (*Princeton Univ.*) 1926.
 Edward Parnall, A.B. (*Univ. of Michigan*) 1924, A.M. 1925.
 Hildrus Augustus Poindexter, A.B. (*Lincoln Univ.*) 1924.
 Eliot Furness Porter, S.B. 1924.
 Edwin Louis Prien, A.B. (*Univ. of Wisconsin*) 1926, A.M. (*ibid.*) 1927.
 Albert Quintilian, A.B. 1925.
 George William Rafferty, A.B. (*Coll. of the Holy Cross*) 1925.
 John Paul Reardon, PH.B. (*Boston Coll.*) 1925.
 Joseph Ephraim Frank Riseman, S.B. 1924.
 Charles Anthony Robinson, A.B. (*Dartmouth Coll.*) 1925.
 Albert Abraham Rosenberg, A.B. (*Princeton Univ.*) 1925.
 William Birger Rydell, A.B. 1925.
 Paul Graves Sanderson, S.B. (*Dartmouth Coll.*) 1921.
 Lewis Sears.
 Hoosic Hambartsum Serunian, S.B. (*Univ. of North Carolina*) 1927.
 Charles Philip Sheldon, A.B. (*Univ. of Kansas*) 1926.
 Herbert Sherwin, S.B. 1925.
 Roy Lindner Simon, S.B. (*Univ. of Missouri*) 1927.

Jibran Yusuf Skeirik.
 Magnus Ingvald Smedal, A.B. (*Univ. of Wisconsin*) 1926, A.M. (*ibid.*) 1927.
 David Barrow Snelling, A.B. (*Univ. of Georgia*) 1924.
 Dorsett Larew Spurgeon, S.B. (*Univ. of Missouri*) 1927.
 Ernest Vernon Stabler, A.B. (*Univ. of Alabama*) 1925, S.B. (*ibid.*) 1927.
 Thomas William Stevenson, Jr., A.B. (*Univ. of Utah*) 1925.
 Dudley Chapin Stone, S.B. 1925.
 Arthur Lyman Streeter, A.B. (*Amherst Coll.*) 1923.
 Radford Chapple Tanzer, S.B. (*Dartmouth Coll.*) 1925.
 Malcolm Cushing Taylor, A.B. 1925.
 Frederic Nathan Tyroler, A.B. (*Stanford Univ.*) 1926.
 Thomas Tipton Walker, S.B. (*Emory Univ.*) 1924, S.M. (*Univ. of North Carolina*) 1925.
 Conrad Wall, A.M. (*Univ. of Alabama*) 1925.
 Homer Dawson Wallace, Jr., S.B. (*Univ. of Pittsburgh*) 1925.
 James Rose Watson, S.B. (*Haverford Coll.*) 1925.
 Edward Joseph West, PH.B. (*Brown Univ.*) 1924.
 John Cowles White, S.B. 1925.
 Otto Christian Yens, A.B. 1924.

M.D. cum Laude

Morris Alexander Bowie, A.B. (*Univ. of Colorado*) 1925.
 John Edwin Brown, Jr., A.B. (*Williams Coll.*) 1925.
 Joseph Patrick Evans, A.B. 1925.
 Hugh Francis Folsom, A.B. (*Univ. of Wisconsin*) 1925, A.M. (*ibid.*) 1927.
 William Ronald Frazier, A.B. (*Reed Coll.*) 1925.
 George Hoppin Humphreys, A.B. 1925.
 John Lesh Jacobs, A.B. (*Oglethorpe Univ.*) 1923, S.B. 1925.
 Milton Leonard Miller, A.B. 1925.
 Charles Albert Noble, Jr., A.B. (*Univ. of California*) 1924.
 John Kenneth Patterson, A.B. (*Reed Coll.*) 1925.
 John Sloan Rhodes, A.B. (*Univ. of North Carolina*) 1925.
 Henry Tubbs Ricketts, S.B. (*Univ. of Chicago*) 1924.
 Lloyd Ross, S.B. (*Mount Union Coll.*) 1925.
 Lendon Snedeker, A.B. 1925.
 Lewis Kaigler Sweet, A.B. (*Univ. of Texas*) 1923.
 Kenneth Wade Thompson, A.B. (*Stanford Univ.*) 1926.
 Edward George Thorp, A.B. (*Cornell Univ.*) 1925.
 Gray Huntington Twombly, A.B. (*Franklin and Marshall Coll.*) 1925.

M.D. cum Laude in Pediatrics

LeRoy Dryden Fothergill, A.B. (*Univ. of Nevada*) 1924.

M.D. cum Laude in Physiology

Benjamin Franklin Jones, A.B. 1922, A.B. (*Univ. of Oxford, England*) 1925, A.M. (*ibid.*) 1928.

M.D. Magna cum Laude in Physiological Chemistry

Bernard Maxwell Jacobson, S.B. 1925.
 John Harold Talbott, A.B. (*Grinnell Coll.*) 1924.

M.D. Magna cum Laude in Surgery

Harold Morrison Teel.

STUDENTS

FOURTH CLASS

- Abrams, Maurice Irving, A.B. 1927 (1926).
 Aird, Robert Burns, A.B. (*Cornell Univ.*) 1926.
 Alden, John, A.B. (*Univ. of Kansas*) 1926.
 Andrews, Egbert Morrill, A.B. (*Univ. of Maine*) 1925.
 †Anglem, Thomas Joseph, S.B. (*Dartmouth Coll.*) 1927.
 †Babson, William Warren (*Harvard Coll.*).
 Banks, Benjamin Max, A.B. 1926.
 Berry, Arthur Nelson, A.B. (*Univ. of the South*) 1926.
 Blacklow, Leo Alfred, S.B. 1926.
 Boyd, Phillips Leland, A.B. 1926.
 Brown, Theodore Edmund, A.B. (*Boston Coll.*) 1926.
 Brues, Austin Moore, A.B. 1926.
 §Buhrmester, Harry Charles, Jr. (*Univ. of Pittsburgh and Harvard Coll.*).
 Callahan, James Corcoran, A.B. 1926.
 Caughey, John Lyon, Jr., A.B. 1925.
 †Chrisman, Allan Simpson, S.B. (*Univ. of North Carolina*) 1928.
 Clarke, Henry Gisler, A.B. (*Amherst Coll.*) 1926.
 Cohen, Sidney Joseph, A.B. 1926.
 Cole Cecil Crafts, A.B. 1924.
 Cole, Edwin Muncks, A.B. 1925.
 Collins, Richard, Jr., A.B. 1926.
 †Corliss, Gordon Philip (*Dartmouth Coll.*).
 Cox, Clyde Edward, A.B. (*Stanford Univ.*) 1926.
 Daniels, Donald Howard, S.B. (*Univ. of Maine*) 1922.
 Davis, Liddell Spencer, A.B. 1927 (1926).
 Decker, Briant LeRay, A.B. (*Brigham Young Univ.*) 1924.
 Dodrill, Forest Dewey, A.B. (*West Virginia Univ.*) 1925.
 Dowling, Alexander Scott, A.B. (*DePauw Univ.*) 1925.
 †Eaton, Monroe Davis, Jr., A.B. (*Stanford Univ.*) 1927, A.M. (*ibid.*) 1928.
 Eppinger, Eugene Charles, A.B. (*Williams Coll.*) 1926.
 †Ferguson, Charles Lee, S.B. (*Univ. of North Carolina*) 1928.
 Ferrone, Joseph Daniel, A.B. (*Fordham Univ.*) 1926.
 Finke, Charles Henry, Jr., A.B. (*Columbia Univ.*) 1925, A.M. 1927.
 FitzGerald, Walter, S.B. 1926.
 Fleming, Robert Edward, S.B. (*Trinity Coll.*) 1924, A.M. 1926.
 Foshee, Clyde Hobson, A.B. (*Univ. of Alabama*) 1926.
 Franseen, Clifford Carlton, A.B. (*Univ. of Wisconsin*) 1926, A.M. (*ibid.*) 1928.
 Frazee, John Richard, A.B. (*Univ. of Minnesota*) 1926.
 Freeman, Harold Perley, A.B. 1926.
- Mattapan
 Provo, Utah
 Kansas City, Mo.
 Portland, Me.
 Yonkers, N.Y.
 Gloucester
 Beverly
 Columbus, Ga.
 Roxbury
 Jamaica Plain
 S. Lincoln
 Jamaica Plain
 Pittsburgh, Pa.
 Newport, R.I.
 Glens Falls, N.Y.
 Charlotte, N.C.
 W. Roxbury
 Dorchester
 Monteagle, Tenn.
 Cambridge
 Waltham
 Winchester
 St. Anthony, Ida.
 Woodfords, Me.
 Dallas, Tex.
 Provo, Utah
 Webster Springs, W. Va.
 Belmont
 Stockton, Cal.
 Walla Walla, Wash.
 Waynesville, N.C.
 Corona, L.I., N.Y.
 Jersey City, N.J.
 Dorchester
 W. Lebanon, Ind.
 Billingsley, Ala.
 Frederic, Wis.
 Duluth, Minn.
 W. Somerville

† Admitted on basis of two years' college work.

† Admitted on basis of three years' college work (in several cases work for degree completed).

§ Admitted on basis of four years' college work (in several cases work for degree completed).

- Gause, Ralph, A.B. (*Univ. of Texas*) 1926. *San Benito, Tex.*
 Gillette, Frank Jackson, S.B. (*Univ. of Wisconsin*) 1926. *Madison, Wis.*
 Graney, Charles Muller, A.B. (*Univ. of Rochester*) 1926. *LeRoy, N.Y.*
 Graybiel, Ashton, A.B. (*Univ. of Southern California*) 1924, A.M. (*ibid.*) 1925. *Los Angeles, Cal.*
 Grow, William Bayley, S.B. (*Middlebury Coll.*) 1926. *Newport, Vt.*
 Gulick, James Benedict, A.B. (*Williams Coll.*) 1925. *Maplewood, N.J.*
 Hall, Snowden Cowman, Jr., A.B. (*Coll. of William and Mary*) 1923. *Kilmarnock, Va.*
 Halsted, James Addison, A.B. 1926. *Cazenovia, N.Y.*
 Hamilton, Harold Henry, A.B. (*Westminster Coll.*) 1924. *Fulton, Mo.*
 Harder, Frank Kirby, A.B. (*Univ. of Cincinnati*) 1926. *Cincinnati, O.*
 Hardy, Arthur Edward, PH.B. (*Brown Univ.*) 1925. *Providence, R.I.*
 Hayes, John Ganley, A.B. (*Georgetown Univ.*) 1925. *Philmont, N.Y.*
 Hazard, John Beach, S.B. (*Univ. of Florida*) 1924, S.M. (*ibid.*) 1925. *Jacksonville, Fla.*
 Hendrickson, Helmer Andrew, A.B. (*Columbia Univ.*) 1924. *Edgewater, N.J.*
 †Hertig, Arthur Tremain, S.B. (*Univ. of Minnesota*) 1928. *Minneapolis, Minn.*
 Higgins, Donald Ellwood, A.B. (*Clark Univ.*) 1923, A.M. (*ibid.*) 1924. *Marston's Mills*
 †Hodgman, Albert Bradley (*Princeton Univ.*) *Coldwater, Mich.*
 Holleman, Joseph Hilbrandt, A.B. (*Univ. of South Dakota*) 1926. *Springfield, S.D.*
 Holmes, Edgar Miller, S.B. (*Massachusetts Institute of Technology*) 1926. *Watertown*
 Hoover, Carl Horace, S.B. (*Franklin and Marshall Coll.*) 1925, S.M. (*ibid.*) 1926. *Lancaster, Pa.*
 Horenstein, Perry Samuel, PH.B. (*Brown Univ.*) 1926. *New York, N.Y.*
 Howe, Henry Forbush, A.B. (*Yale Univ.*) 1926. *Cohasset*
 Hugenberger, Franklin Christian, A.B. (*Ohio State Univ.*) 1925. *Columbus, O.*
 Hugenberger, Paul Willard, A.B. (*Ohio State Univ.*) 1925, A.M. (*ibid.*) 1926. *Columbus, O.*
 Johnson, Harry Julius, A.B. (*Columbia Univ.*) 1924. *Ridgefield, N.J.*
 †Kackley, Evan Morgan (*Stanford Univ.*) *Soda Springs, Ida.*
 Kane, John Worden, S.B. (*Univ. of Notre Dame*) 1926. *Johnson City, N.Y.*
 Kattwinkel, Egon Emil, S.B. (*Massachusetts Institute of Technology*) 1923. *W. Newton*
 Kendall, Lee Gordon, A.B., 1925. *Pride's Crossing*
 King, Arthur Gustave, A.B. 1926. *Cambridge*
 Kistler, John Edward, S.B. (*Montana State Coll. of Agriculture and Mechanic Arts*) 1926. *Butte, Mont.*
 Kobes, Herbert Richard, A.B. 1926. *New Bedford*
 Kranes, Alfred, A.B. 1926. *Paterson, N.J.*
 Lawrence, John Hundale, A.B. (*Univ. of South Dakota*) 1926. *Springfield, S.D.*
 Leahey, Brendan Dempsey, A.B. 1926. *Lowell*
 Ludwig, Alfred Oscar, S.B. 1926. *Tompkinsville, S.I., N.Y.*
 McBryde, Cyril Mitchell, A.B. (*Washington Univ.*) 1926. *St. Louis, Mo.*
 McLester, James Bowron, A.B. (*Univ. of Alabama*) 1926. *Birmingham, Ala.*
 Mathews, Frank Pelletreau, A.B. (*Princeton Univ.*) 1925. *New York, N.Y.*
 Merrill, Dudley, A.B. 1926. *Bedford Hills, N.Y.*

† Admitted on basis of two years' college work.

‡ Admitted on basis of three years' college work (in several cases work for degree completed).

- ‡Miltzer, Raymond Edgar, A.B. (*Univ. of Missouri*) 1927, S.B. (*ibid.*) 1928.
Cape Girardeau, Mo.
- Miller, John Fleek, S.B. (*Yale Univ.*) 1926.
Newark, O.
- Montgomery, Hugh, S.B. (*Haverford Coll.*) 1925.
Woods Hole
- Moore, Samuel Wilson, S.B. (*Davidson Coll.*) 1926.
Mooreville, N.C.
- Morrison, Alvin Alward, A.B. (*Bates Coll.*) 1926.
Portland, Me.
- Munro, Burton Stevenson, A.B. (*Williams Coll.*) 1925.
Woodburn, N. S.
- †Munro, John Harrington, S.B. (*Dartmouth Coll.*) 1927.
Malden
- Nevius, William Barclay, A.B. (*Princeton Univ.*) 1926.
E. Orange, N.J.
- Newell, John Louis, Jr., A.B. 1926.
Brookline
- †Norton, Harold Francis (*Tufts Coll. and Boston Coll.*).
Hyde Park
- Norton, Paul Lawrence, A.B. 1926.
Lincoln
- Parsons, Warren Jethro, A.B. (*Oberlin Coll.*) 1926.
Huntington, W. Va.
- Patek, Arthur Jackson, Jr., A.B. 1926.
Milwaukee, Wis.
- Pearson, Frederick Joseph, A.B. (*Lehigh Univ.*) 1924.
Wilkes-Barre, Pa.
- Peters, Anthony Edwin, PH.B. (*Brown Univ.*) 1926.
Brookton
- Pilcher, Lewis Stephen, 2d, A.B. 1926.
Montclair, N.J.
- Pommerenke, Wesley Theodore, A.B. (*Univ. of Kansas*) 1922, A.M. (*ibid.*)
1923, PH.D. (*Univ. of Wisconsin*) 1926.
Clay Center, Kan.
- Poutas, John James, A.B. (*Boston Coll.*) 1926.
Waltham
- Pratt, Henry Nickerson, A.B. 1924.
Boston
- Pressey, Harold Elbert, A.B. (*Univ. of Maine*) 1925, A.M. (*ibid.*) 1926.
Bangor, Me.
- Rafuse, Elwood Reid, A.B. (*Acadia Univ.*) 1925.
Parkdale, N. S.
- Raney, Richard Beverly, A.B. (*Univ. of North Carolina*) 1926.
Raleigh, N.C.
- Rankin, James Tyler, A.B. (*Univ. of Illinois*) 1926.
DeKalb, Ill.
- Reed, William Page, A.B. (*Univ. of Wisconsin*) 1926.
Milwaukee, Wis.
- Reynolds, Josephus, A.B. (*Univ. of California*) 1926.
Los Angeles, Cal.
- †Rogers, Edward Saunders, S.B. (*Colgate Univ.*) 1927.
Chestnut Hill
- Roots, Logan Holt, A.B. 1926.
Hankow, China
- Rubin, Lionel Charles, A.B. 1926.
Cambridge
- Sacco, John Joseph, A.B. 1926.
Belmont
- Sarro, Nicholas, S.B. (*Univ. of Washington*) 1926.
Seattle, Wash.
- Schmidt, John Grimes, A.B. (*Williams Coll.*) 1925.
Jersey City, N.J.
- Shambaugh, Philip, A.B. (*Amherst Coll.*) 1926.
Chicago, Ill.
- Skilling, Francis Curie, S.B. (*Univ. of Maryland*) 1923, S.M. (*ibid.*) 1925.
Baltimore, Md.
- Snyder, William Henry, Jr., A.B. (*Pomona Coll.*) 1926.
Hollywood, Cal.
- Solomon, Philip, S.B. 1926.
Cleveland, O.
- †Spence, Harry Metcalfe (*Univ. of Illinois*).
San Angelo, Tex.
- Stanford, Henry Joseph, S.B. (*Coll. of the City of New York*) 1926.
New York, N.Y.
- Storms, William Frederick, PH.B. (*Brown Univ.*) 1926.
Norwich, Conn.
- Stratford, Egbert Conway, A.B. (*Univ. of Utah*) 1924.
Ogden, Utah
- Strayer, Luther Milton, Jr., A.B. (*Princeton Univ.*) 1926.
Stratford, Conn.
- †Sweet, Horace Chilton (*Southern Methodist Univ. and Univ. of Texas*).
Brownwood, Tex.
- Temple, John Burrington, S.B. (*Massachusetts Agricultural Coll.*) 1926.
Shelburne Falls
- Thiessen, Norman William, S.B. (*Coll. of Wooster*) 1926.
Lakewood, O.
- Vermillion, Dale DeWitt, A.B. (*Univ. of Kansas*) 1926.
Tescott, Kan.

† Admitted on basis of two years' college work.

‡ Admitted on basis of three years' college work (in several cases work for degree completed).

Vernaglia, John Benjamin, A.B. 1926.	W. Medford
Vieira, Edwin, A.B. 1926.	New Bedford
Walker, John Hicks, S.B. (<i>Emory Univ.</i>) 1925, S.M. (<i>ibid.</i>) 1925.	Atlanta, Ga.
Wallwork, David William, A.B. 1926.	N. Andover
Waxelbaum, Edgar Arthur, A.B. (<i>Univ. of Georgia</i>) 1926.	Macon, Ga.
Wells, Arthur Herman, A.B. (<i>Univ. of Kansas</i>) 1926.	Kansas City, Mo.
Wheeler, Philip Henry, A.B. (<i>Wesleyan Univ.</i>) 1926.	Brattleboro, Vt.
Whitman, Loring, A.B. 1925.	Boston
Wilson, Gale Edward, S.B. (<i>Univ. of Washington</i>) 1926.	Everson, Wash.
Winn, William Alma, A.B. (<i>Stanford Univ.</i>) 1926.	Salt Lake City, Utah
Wood, Benjamin Smith, A.B. 1925.	Waltham
Woodall, James Martin, A.B. (<i>Mercer Univ.</i>) 1922.	Macon, Ga.
Zealy, Albert Hazel, A.B. (<i>Univ. of North Carolina</i>) 1926.	Goldsboro, N.C.
‡Zielinski, Norbert Ursyn, A.B. (<i>Univ. of Illinois</i>) 1927.	Chicago, Ill.

THIRD CLASS

Abbott, John Adams, A.B. 1925.	Concord
Albright, Hollis Ludlow, A.B. (<i>Tufts Coll.</i>) 1927.	Dorchester
Alt, Richard Edward, A.B. 1927.	New Washington, O.
Anderson, Thomas McDowell, A.B. (<i>Princeton Univ.</i>) 1927.	Ann Arbor, Mich.
Baker, Philip Woodell, S.B. (<i>Massachusetts Agricultural Coll.</i>) 1927.	Amherst
Bakst, Henry Jacob, PH.B. (<i>Brown Univ.</i>) 1927.	Providence, R.I.
Barry, John Reardon, A.B. 1927.	Winthrop
Bender, John Alpheus, S.B. (<i>Univ. of North Carolina</i>) 1922, S.M. (<i>ibid.</i>) 1923.	Pollocksville, N.C.
Bennett, Darwin Elbridge, S.B. (<i>Whitman Coll.</i>) 1924.	Walla Walla, Wash.
Bickel, Vern Tillman, A.B. (<i>Univ. of Missouri</i>) 1924, A.M. (<i>ibid.</i>) 1925, S.B. (<i>ibid.</i>) 1929.	Albany, Mo.
Bradford, Charles Hickling, A.B. 1926.	Boston
Breese, Burtis Burr, Jr., A.B. (<i>Princeton Univ.</i>) 1927.	Cincinnati, O.
Brem, Jacob, S.B. 1927.	Dorchester
Brock, Henry Jerome, A.B. (<i>Yale Univ.</i>) 1927.	Buffalo, N.Y.
Brogan, Austin John, A.B. (<i>Columbia Univ.</i>) 1927.	Archbald, Pa.
Brown, Morton Goodwin, A.B. 1927.	Dorchester
Browning, William Harris, Jr., A.B. (<i>Dartmouth Coll.</i>) 1927.	Westerly, R.I.
Bryan, Albert Hughes, S.B. 1927.	Boston
‡Buchtel, Henry Augustus, S.B. (<i>Dartmouth Coll.</i>) 1928.	Denver, Col.
Burgin, Leo Benjamin, A.B. 1927.	Roxbury
Burton, Kenneth Gould, PH.B. (<i>Brown Univ.</i>) 1927.	Providence, R.I.
Butterfield, Warren Hall, A.B. (<i>Dartmouth Coll.</i>) 1927.	Concord, N.H.
Bysshe, Stanley Mercer, A.B. 1927.	Springfield, Vt.
‡Canaday, John Walker, A.B. (<i>Univ. of Missouri</i>) 1928, S.B. (<i>ibid.</i>) 1929.	San Antonio, Tex.
Capps, Richard Brooks, S.B. (<i>Princeton Univ.</i>) 1927.	Chicago, Ill.
Chafee, Francis Hasseltine, PH.B. (<i>Brown Univ.</i>) 1927.	Providence, R.I.
Church, Charles Frederick, S.B. (<i>Montana State Coll.</i>) 1924, S.M. (<i>Univ. of Illinois</i>) 1926.	Deer Lodge, Mont.
Ciani, Angelo Walter Benjamin, A.B. 1927.	Cambridge
‡Clark, Richard James, A.B. (<i>Amherst Coll.</i>) 1927.	Winchester
‡Clark, William Elery, A.B. (<i>Univ. of Wisconsin</i>) 1929.	Oshkosh, Wis.

† Admitted on basis of two years' college work.

‡ Admitted on basis of three years' college work (in several cases work for degree completed).

- Clifford, Milton Henry, A.B. 1927. *Bangor, Me.*
 Connors, Raymond Joseph, A.B. (*Coll. of the Holy Cross*) 1926. *Fall River*
 Coppoletta, Joseph Michael, A.B. (*Cornell Univ.*) 1925. *Cliffside Park, N.J.*
 Crone, Neil Louis, A.B. (*Grinnell Coll.*) 1925, A.M. (*Univ. of Oxford, Eng.*)
 1929, PH.D. (*ibid.*) 1929. *Marshalltown, Ia.*
 Day, Jay Claude, A.B. (*Cornell Univ.*) 1926. *Akron, O.*
 Day, Richard Lawrence, S.B. 1927. *Summit, N.J.*
 Dearing, Warren Palmer, A.B. (*State Coll. of Washington*) 1927. *Bremerton, Wash.*
 Dionne, Maurice Jerome, S.B. (*Bates Coll.*) 1927. *Lewiston, Me.*
 Donaldson, John Speer, S.B. 1927. *Bellevue, Pa.*
 Drissen, Edward Michael, A.B. (*Univ. of Wisconsin*) 1927. *Port Washington, Wis.*
 Dryer, George Wing, A.B. 1927. *Birmingham, Ala.*
 †Dunlop, George Rodgers, S.B. (*Univ. of Cincinnati*) 1929. *Cincinnati, O.*
 Eckles, Lucius Elkanah, A.B. (*Univ. of Kansas*) 1927. *Eskridge, Kan.*
 Epton, John Wiltzie, S.B. (*Univ. of Washington*) 1927. *Seattle, Wash.*
 †Escamilla, Roberto Francisco, A.B. (*Univ. of California*) 1927. *San Francisco, Cal.*
 Esty, Geoffrey Winslow, A.B. 1927. *Brookline*
 Fox, Saul Lourie, A.B. 1927. *Mattapan*
 Gaiser, David Wesley, S.B. (*Whitman Coll.*) 1924. *Dayton, Wash.*
 Garrey, Walter Eaton, S.B. (*Princeton Univ.*) 1927. *Nashville, Tenn.*
 Gauld, Archibald Gordon, A.B. 1927. *Cohasset*
 Geiger, Arthur Joseph, A.B. (*Cornell Univ.*) 1927. *Suffern, N.Y.*
 George, Alden Batchelder, S.B. (*Boston Univ.*) 1927. *Haverhill*
 Gilman, Samuel, A.B. 1927. *Somerville*
 Ginsburg, Abraham, A.B. 1927. *E. Boston*
 Gold, Aaron Moses, S.B. 1926. *Brooklyn, N.Y.*
 Gourlie, Howard Wallace, PH.B. (*Yale Univ.*) 1927. *Thompsonville, Conn.*
 Gross, Robert Edward, A.B. (*Carleton Coll.*) 1927. *Baltimore, Md.*
 †Hadden, David Rodney, A.B. (*Univ. of California*) 1928. *Oakland, Cal.*
 Harberson, James Coulter, A.B. (*Centre Coll.*) 1925. *Perryville, Ky.*
 Harper, Edwin Adams, A.B. 1927. *Bedford, Va.*
 §Harris, Albert Hall, 2d (*Princeton Univ.*). *Rochester, N.Y.*
 Hawkes, Richard Sylvester, A.B. 1927. *Kennebunk, Me.*
 Hirsheimer, Albert, A.B. (*Hamilton Coll.*) 1927. *La Crosse, Wis.*
 Hubbard, John Perry, A.B. 1926. *Milton*
 Hummel, Lawrence Edgar, S.B. (*Univ. of Buffalo*) 1926. *Williamsville, N.Y.*
 †Jones, Hiram Penfield, A.B. (*Univ. of Kansas*) 1928, S.B. (*ibid.*) 1929. *Lawrence, Kan.*
 Kazanjian, Karekan Alexander, S.B. 1927. *Watertown*
 Kellogg, Frederick, A.B. (*Stanford Univ.*) 1927, A.M. (*ibid.*) 1927. *Palo Alto, Cal.*
 Kelman, Harold, S.B. (*Yale Univ.*) 1927. *New Haven, Conn.*
 Kennard, Harrison Eisenbrey, A.B. 1925. *Newton Centre*
 †Kirkwood, Samuel Brown, A.B. (*Macalester Coll.*) 1928. *St. Paul, Minn.*
 †Knöfel, Peter Klerner, A.B. (*Univ. of Wisconsin*) 1927, A.M. (*ibid.*) 1928. *Terre Haute, Ind.*
 Krinsky, George Sidney, A.B. 1927. *Ogunquit, Me.*

† Admitted on basis of two years' college work.

‡ Admitted on basis of three years' college work (in several cases work for degree completed).

§ Admitted on basis of four years' college work (in several cases work for degree completed).

- Lehnherr, Earl Rudolph, A.B. (*Univ. of Kansas*) 1925, A.M. (*ibid.*) 1927.
Sabetha, Kan.
- Levin, Samuel Eli, S.B. 1927.
Roxbury
- †Loekwood, John Salem, A.B. (*DePauw Univ.*) 1928. *New York, N.Y.*
- Lyons, Champ, A.B. (*Univ. of Alabama*) 1927. *Mobile, Ala.*
- †MacCollum, Donald Wicting, A.B. (*Univ. of Wisconsin*) 1928.
Manitowoc, Wis.
- Marquart, Philip Butler, A.B. (*Univ. of Wisconsin*) 1923, A.M. (*ibid.*) 1925.
Milton Junction, Wis.
- Massell, Benedict Frank, A.B. 1927. *Brookline*
- Massell, Theodore Benedict, A.B. 1926. *Brookline*
- Metzgar, John Gwin, S.B. (*Rutgers Coll.*) 1927. *Red Bank, N.J.*
- Midelfart, Peter Albert Hande, A.B. (*Yale Univ.*) 1927. *Eau Claire, Wis.*
- Molholm, Hans Barso, A.B. 1926. *Edgewater, Col.*
- Murphy, John Moylan, A.B. (*Coll. of the Holy Cross*) 1927. *Pontiac, Mich.*
- Murray, Michael Earley, Jr., A.B. (*Notre Dame Univ.*) 1926. *Green Bay, Wis.*
- Nason, Louis Howard, A.B. 1927. *Dorchester*
- Notis, Wallace Joseph, S.B. (*Tufts Coll.*) 1927. *Medford*
- Otis, Frank Jesse, Jr., S.B. 1927. *Moline, Ill.*
- †Owen, George Colville, A.B. (*Univ. of Wisconsin*) 1928. *Racine, Wis.*
- Paine, John Randolph, A.B. 1927. *Dallas, Tex.*
- Parish, John Rhodes, A.B. (*Grinnell Coll.*) 1927. *Grinnell, Ia.*
- Pearse, Richard Lehmer, A.B. (*Duke Univ.*) 1927. *Durham, N.C.*
- Pettit, Horace, Jr., S.B. 1927. *Haverford, Pa.*
- Piper, Randolph, A.B. 1927. *Lexington*
- Richardson, John Robert, A.B. 1927. *Dorchester*
- Roberg, O Theodore, Jr., S.B. (*Princeton Univ.*) 1927. *Chicago, Ill.*
- §Robinson, John Newbold (*Harvard Coll.*). *Wakefield, R.I.*
- Salter, George Butterfield, S.B. 1926. *Norfolk, Neb.*
- Schwab, Robert Sidney, A.B. 1926. *St. Louis, Mo.*
- Seastone, Charles Victor, Jr., A.B. (*Univ. of Wisconsin*) 1927. *Madison, Wis.*
- Sewall, Weston Fullerton, A.B. (*Bowdoin Coll.*) 1927. *Livermore Falls, Me.*
- Shedd, Charles Herbert, S.B. (*Middlebury Coll.*) 1927. *Keene, N.H.*
- Shillito, Frederick Hopkins, A.B. (*Univ. of Michigan*) 1927. *Kalamazoo, Mich.*
- Simons, Donald Johnson, A.B. (*Brown Univ.*) 1927. *Springfield*
- Simpson, Wyatt Collier, A.B. (*Univ. of Alabama*) 1927. *Florence, Ala.*
- Slaughter, Fred Miller, A.B. (*Ohio Wesleyan Univ.*) 1927. *Coshocton, O.*
- Smith, Dudley Winn, A.B. (*Univ. of Southern California*) 1927. *Moscow, Ida.*
- Smith, Wilmer Cauthorn, A.B. (*Univ. of Oregon*) 1927. *Corvallis, Ore.*
- Steele, Charles William, A.B. (*Univ. of Missouri*) 1927, A.M. (*ibid.*) 1929.
Chillicothe, Mo.
- Stimpson, Edward Keown, A.B. (*Stanford Univ.*) 1927. *Bellingham, Wash.*
- §Stratford, Eldredge Wayne (*Univ. of Utah*). *Ogden, Utah*
- Stubbs, Frederick Douglas, A.B. (*Dartmouth Coll.*) 1927. *Wilmington, Del.*
- Sturgis, George Putnam, A.B. 1927. *Milton*
- Sturgis, Somers Hayes, A.B. 1927. *Groton*
- †Syverton, Jerome Theda, A.B. (*Univ. of North Dakota*) 1927, S.B. (*ibid.*)
 1928. *McVille, N.D.*
- Tegtmeyer, Gamber Frederick, A.B. (*Univ. of Wisconsin*) 1924, A.B. (*Univ.*
of Oxford, England) 1927. *Milwaukee, Wis.*

† Admitted on basis of three years' college work (in several cases work for degree completed).

§ Admitted on basis of four years' college work (in several cases work for degree completed).

- Thompson, Milton Strong, Jr., A.B. 1924 (1926). *Newbury*
 ‡Thompson, William Paul (*Iowa State Coll. and State Univ. of Iowa*).
Bayard, Ia.
 ‡Thomson, Karl Jefferson (*Harvard Coll.*). *Granville, N.Y.*
 Tomasch, John Michael, S.B. (*Coll. of Wooster*) 1927. *Cleveland, O.*
 Walcott, Charles Folsom, A.B. 1926. *Cambridge*
 Waldo, Paul Van Wart, S.B. (*Middlebury Coll.*) 1927. *Westhampton, L.I., N.Y.*
 Warren, Charles Ford, A.B. (*Univ. of Michigan*) 1927. *Brooklyn, N.Y.*
 Wells, John Joseph, A.B. (*Mt. St. Mary's Coll.*) 1927. *Somerville*
 Whiting, Charles Cosad, A.B. (*Cornell Univ.*) 1926. *Phelps, N.Y.*
 Winkler, Alexander Woodward, A.B. (*Univ. of Michigan*) 1927, A.M. (*ibid.*)
 1927. *Ann Arbor, Mich.*
 ‡Young, David Alexander, A.B. (*Univ. of North Carolina*) 1928. *Raleigh, N.C.*
 Young, George Laroy, S.B. (*Rhode Island State Coll.*) 1925. *Cowesett, R.I.*
 §Younge, Paul Adolph (*Univ. of Wisconsin*). *Peoria, Ill.*
 Zellhoefer, Howard William Karl, A.B. (*Univ. of South Dakota*) 1927, S.B.
 (*ibid.*) 1928. *Sioux Falls, S.D.*

SECOND CLASS

- Altschule, Mark David, S.B. (*Coll. of the City of New York*) 1927. *Brooklyn, N.Y.*
 Angley, John Cole, S.B. (*Bowdoin Coll.*) 1928. *San Bernardino, Cal.*
 Arimizu, Richard Hatsuhiko, A.B. (*Oberlin Coll.*) 1928. *Hilo, T.H.*
 Bachulus, Matthew John, S.B. (*Bowdoin Coll.*) 1928. *Annapolis, Md.*
 Baker, George Stanley, A.B. (*Columbia Univ.*) 1928. *Rome, N.Y.*
 Beaver, Nat Everett, A.B. (*Willamette Univ.*) 1927. *Salem, Ore.*
 Beecher, Harry Knowles Unangst, A.B. (*Univ. of Kansas*) 1926, A.M. (*ibid.*)
 1927. *Wichita, Kan.*
 Borland, James Loudon, S.B. (*Univ. of Florida*) 1928. *Ocala, Fla.*
 ‡Brewer, Leonard William (*Montana State Univ.*). *Bozeman, Mont.*
 Broad, George Gowing, A.B. (*Amherst Coll.*) 1928. *Syracuse, N.Y.*
 Budnitz, Edward, S.B. (*Yale Univ.*) 1928. *Newport, N.H.*
 ‡Bulley, Edward William (*Univ. of Wisconsin*). *Oshkosh, Wis.*
 ‡Campbell, Rex Smith (*Iowa State Univ. and Univ. of South Dakota*).
Presho, S.D.
 Cantlon, John Vernon, S.B. (*Univ. of Nevada*) 1928. *Sparks, Nev.*
 Carey, Benjamin Watson, Jr., S.B. (*Univ. of Illinois*) 1928. *Griggsville, Ill.*
 Chamberlain, John Winslow, S.B. (*Massachusetts Institute of Technology*)
 1928. *Brookline*
 Chambers, Alan Raymond, A.B. (*Univ. of Illinois*) 1928. *LaPorte, Ind.*
 Clark, Theodore Dodge, A.B. (*Bowdoin Coll.*) 1926. *Sanford, Me.*
 Cogswell, Lawrence Perley, A.B. (*Univ. of Maine*) 1927. *Washington, D.C.*
 Coombs, Herbert Isaac, S.B. (*Univ. of Oxford, England*) 1924, A.B. (*ibid.*)
 1925, A.M. (*Cambridge Univ., England*) 1927, PH.D. (*ibid.*) 1928. *Goodwood, S. Australia*
 Cornwall, Benjamin Fuller, A.B. (*Yale Univ.*) 1928. *New York, N.Y.*
 Corson, Carl Cutting, A.B. 1928. *Bridgton, Me.*
 Cutts, Frank Bryant, A.B. 1928. *Providence, R.I.*
 Dean, Frank Wilton, A.B. (*DePauw Univ.*) 1928. *Greenfield*

‡ Admitted on basis of three years' college work (in several cases work for degree completed).

§ Admitted on basis of four years' college work (in several cases work for degree completed).

- ‡Dietrich, Harry Fredric (*Stanford Univ.*). *Los Angeles, Cal.*
 Domser, Reams Andrew, A.B. (*Hamilton Coll.*) 1928. *Boonville, N.Y.*
 Doyle, Joseph Bernard, A.B. (*Boston Coll.*) 1928. *Chestnut Hill*
 Duncombe, Alfred Leslie, S.B. (*Rutgers Coll.*) 1928. *Long Branch, N.J.*
 Dupertuis, Samuel Milton, S.B. 1928. *Arlington*
 Eckles, Donald Henderson, A.B. (*Amherst Coll.*) 1928. *Newcastle, Pa.*
 Farrell, Marcus Emmett, S.B. (*Univ. of Notre Dame*) 1928. *Clarksburg, W.Va.*
 Fienberg, Robert, A.B. 1928. *Roxbury*
 Finn, Herbert George, A.B. 1928. *Charlestown*
 Franklin, John Edward, S.B. (*Univ. of Notre Dame*) 1928. *Chateaugay, N.Y.*
 Gaetan, Libertad Roberts, S.B. 1928. *San Juan, Porto Rico*
 ‡Gaston, Eugene Alexander, Jr. (*Univ. of Kansas*). *Concordia, Kan.*
 Gibson, John Graham, A.B. (*Amherst Coll.*) 1919, M.B.A. 1921. *Cazenovia, N.Y.*
 Goldowsky, Seebert Jay, A.B. (*Brown Univ.*) 1928. *Providence, R.I.*
 Goodman, Joseph, Jr., S.B. 1926. *Boston*
 Gottlieb, Jacques Simon, S.B. 1928. *Trinidad, Col.*
 ‡Gratiot, John Hempstead (*Stanford Univ.*). *Monterey, Cal.*
 Green, William Frederick, S.B. 1928. *New Milford, Conn.*
 Gregg, Ward Irving, S.B. 1928. *Calumet, Mich.*
 Griffith, Travis Shaw, A.B. (*Southwestern Univ.*) 1928. *Georgetown, Tex.*
 Ham, John Church, A.B. (*Princeton Univ.*) 1928. *Providence, R.I.*
 Hamilton, Joseph Earle, A.B. (*Coll. of Wooster*) 1928. *N. Madison, Ind.*
 Hanley, Francis Joseph, Jr., A.B. (*Amherst Coll.*) 1928. *Whitman*
 Hardy, Theodore Everett, Jr., S.B. (*Colby Coll.*) 1928. *Waterville, Me.*
 Hartwig, Carl Hermann, A.B. 1928. *Lawrence*
 Heels, George Eugene, A.B. (*Albion Coll.*) 1928. *Albion, Mich.*
 Hewitt, Wright Platt, A.B. 1928. *Quincy*
 Hinchey, Paul Richard, A.B. (*Boston Coll.*) 1928. *Waltham*
 Hirning, Ludwig Clovis Bernhardt, A.B. (*Columbia Univ.*) 1928. *New York, N.Y.*
 Hobbs, Joseph Raymond, S.B. (*Massachusetts Institute of Technology*) 1925, S.D. (*Johns Hopkins Univ.*) 1928. *Weston*
 Holbrook, Arthur Andrews, A.B. 1928. *Milwaukee, Wis.*
 Holt, William Leland, Jr., A.B. (*Antioch Coll.*) 1928. *Augusta, Me.*
 Holtham, William Hall, A.B. (*Amherst Coll.*) 1928. *North East, Pa.*
 Hopkins, John Renton, A.B. (*Brown Univ.*) 1928. *Lynn*
 Houghton, John Denison, A.B. 1927. *Chestnut Hill*
 Hume, Willis Fulton, A.B. (*Oberlin Coll.*) 1928. *Oberlin, O.*
 Humphrey, Edward Cornelius, A.B. (*Yale Univ.*) 1927. *Louisville, Ky.*
 Ilfeld, Frederic William, A.B. 1928. *Las Vegas, N. M.*
 Impink, Robert Rehr, A.B. 1928. *Reading, Pa.*
 ‡Irvine, Samuel Rodman (*Stanford Univ.*). *Los Angeles, Cal.*
 Jenkins, Ebenezer Kelley, S.B. (*Tufts Coll.*) 1928. *Boston*
 ‡Jennings, Robert Emmett (*Cornell Univ.*). *E. Orange, N.J.*
 Johnson, Paul Revere, S.B. (*Mt. Union Coll.*) 1928. *Alliance, O.*
 Jones, Walter Smalley, PH.B. (*Brown Univ.*) 1926. *E. Northfield*
 Joslin, Allen Proctor, PH.B. (*Yale Univ.*) 1927. *Boston*
 §Karlin, Samuel, A.B. 1928. *Portland, Me.*
 King, Lester Snow, A.B. 1927. *Cambridge*
 Klapper, Claude, S.B. 1928. *Haverhill*

‡ Admitted on basis of three years' college work (in several cases work for degree completed).

§ Admitted on basis of four years' college work (in several cases work for degree completed).

- Koehler, Lee Hugo, A.B. (*Univ. of Wisconsin*) 1928. Alliance, O.
 Krumbhaar, George Douglas, A.B. 1926. Cazenovia, N.Y.
 Kunath, Carl Albert, A.B. (*Grinnell Coll.*) 1928. Washington, Ia.
 Laroe, Harold Francis, A.B. (*Brown Univ.*) 1928. Woonsocket, R.I.
 Leister, Claude Merrill, A.B. (*Lehigh Univ.*) 1928. Bethlehem, Pa.
 †Levine, Harold David, S.B. 1929. Brookline
 Loewen, David Frank, A.B. (*Carleton Coll.*) 1926. Mountain Lake, Minn.
 Longacre, Jacob James, A.B. (*Lehigh Univ.*) 1928. Northampton, Pa.
 Luke, Harry Bertram, A.B. (*Hamilton Coll.*) 1928. Whitesboro, N.Y.
 MacCready, Robert Alvin, S.B. (*Dartmouth Coll.*) 1925. Elizabeth, N.J.
 McMartin, Daniel Malcolm, A.B. (*Hamilton Coll.*) 1927. Johnstown, N.Y.
 McSwain, Gordon Henry, S.B. (*Davidson Coll.*) 1928. Arcadia, Fla.
 Mansfield, James Scott, A.B. (*Cornell Univ.*) 1928. Washington, D.C.
 Marcy, George Hayes, A.B. (*Yale Univ.*) 1928. Buffalo, N.Y.
 Matarese, Antonio Andrew, S.B. (*Rhode Island State Coll.*) 1928. Westerly, R.I.
 Morrissey, Eugene James, S.B. (*Bucknell Univ.*) 1928. Milton, Pa.
 Murray, Arthur Carpenter, A.B. 1928. Winthrop
 Nealon, James Roan, S.B. (*Villanova Coll.*) 1928. Plymouth, Pa.
 Oberson, Henry Joseph, A.B. (*Willamette Univ.*) 1928. Colfax, Wash.
 Parker, Jesse Silsby, A.B. (*Park Coll.*) 1925. Cotter, Ia.
 Pasternacki, Norbert Thomas, A.B. 1928. Detroit, Mich.
 Patterson, Robert Lee, Jr., A.B. (*Univ. of Georgia*) 1928. Athens, Ga.
 Pickering, Samuel Pryor, A.B. (*DePauw Univ.*) 1927, A.M. (*Cornell Univ.*) 1929. Spiceland, Ind.
 Reinhart, Alfred Seymour, A.B. 1928. Dorchester
 Rew, Willard Burns, A.B. (*Pomona Coll.*) 1928. Thompson Falls, Mont.
 Reynolds, Francis Henry, A.B. (*Dartmouth Coll.*) 1928. Denver, Col.
 Richards, Edwin Date, A.B. (*Yale Univ.*) 1928. Lakewood, O.
 Ross, Henry (*U. S. Military Academy*) 1926, A.B. (*Univ. of Rochester*) 1928. Rochester, N.Y.
 Sanderson, Robert, A.B. (*Yale Univ.*) 1926. Littleton
 Savastano, Americo, S.B. (*Rhode Island State Coll.*) 1928. Providence, R.I.
 Shipman, Thomas Leffingwell, PH.B. (*Yale Univ.*) 1928. Andover
 Smith, Frederick James Cunningham, A.B. (*Univ. of Kansas*) 1928. Wichita, Kans.
 Smith, Joseph Russell, S.B. (*Utah Agricultural Coll.*) 1927. Richmond, Utah
 Spencer, Ralph Fosdick, A.B. (*Colgate Univ.*) 1928. Hudson, N.Y.
 Spink, Wesley William, A.B. (*Carleton Coll.*) 1926. Duluth, Minn.
 Steele, Francis Joseph, A.B. (*Coll. of the Holy Cross*) 1928. Webster
 Sterner, James Hervi, S.B. (*Pennsylvania State Coll.*) 1928. Cheltenham, Pa.
 Stewart, William Crawford, S.B. (*Univ. of Virginia*) 1928. Monroe, N.C.
 Stillman, James, S.B. (*Princeton Univ.*) 1927. New York, N.Y.
 Thro, Jackson Weaver, A.B. (*Colgate Univ.*) 1928. Scranton, Pa.
 Van Raalte, Leslie Howard, A.B. 1928. Wollaston
 Walker, Charles Edward, Jr., A.B. (*Centre Coll.*) 1928. Denver, Col.
 Walter, Carl Waldemar, A.B. 1928. Lakewood, O.
 Waltman, Charles Arthur, S.B. (*Lafayette Coll.*) 1928. Easton, Pa.
 Wearn, Franklin Stafford, S.B. (*Davidson Coll.*) 1928. Charlotte, N.C.
 Welch, Claude Emerson, A.B. (*Doane Coll.*) 1927, A.M. (*Univ. of Missouri*) 1929. Stanton, Neb.
 Whitney, Roger Sherman, A.B. (*Yale Univ.*) 1928. New Haven, Conn.

† Admitted on basis of three years' college work (in several cases work for degree completed).

- Wilkins, George Franklin, A.B. (*Coll. of the Holy Cross*) 1928. *Kinderhook, N.Y.*
 Wise, Carl Richard, A.B. (*West Virginia Univ.*) 1928. *Charleston, W. Va.*
 Yengling, Arthur Amos, S.B. (*Mt. Union Coll.*) 1928. *Salem, O.*
 Yount, Clarence Edgar, Jr., S.B. (*Univ. of Arizona*) 1928. *Prescott, Ariz.*

FIRST CLASS

- Adams, Donald Stevens, A.B. (*Univ. of Oregon*) 1929. *Portland, Ore.*
 Adams, Ralph, A.B. (*Vanderbilt Univ.*) 1929. *Woodbury, Tenn.*
 Alper, Joseph Meyer, S.B. 1929. *New York, N.Y.*
 Ames, Frederick Daniel, A.B. (*Univ. of Texas*) 1928. *Georgetown, Tex.*
 Babey, Andrew Michael, A.B. (*New York Univ.*) 1929. *Brooklyn, N.Y.*
 Bailey, George Guy, Jr., A.B. 1929. *Ipswich*
 Batchelder, Albert Perkins (*Stanford Univ. and Univ. of California*). *San Mateo, Cal.*
 Beaman, George Burnham, Jr., S.B. 1927. *Waltham*
 Benjamin, Louis Burton, A.B. 1929. *Dorchester*
 Betts, Reeve Hawkins, A.B. (*Willamette Univ.*) 1929. *Athens, Ore.*
 Bloch, William Austin, S.B. (*Virginia Military Inst.*) 1929. *Louisville, Ky.*
 Bloomberg, Allan Ellia, S.B. 1929. *Atlantic City, N.J.*
 Boone, John Alfred, Jr., A.B. (*Univ. of Texas*) 1927, A.M. (*ibid.*) 1929. *Harlingen, Tex.*
 Brown, Kenneth Alfred, A.B. (*Boston Coll.*) 1929. *Weston*
 Bushnell, Lowell Francis, A.B. (*Univ. of Wisconsin*) 1929. *Danville, Ill.*
 Campbell, Joseph Lawrence, A.B. 1929. *Cotuit*
 Cannon, Bradford, S.B. 1929. *Cambridge*
 Carter, Claude Levant, A.B. (*Mercer Univ.*) 1929. *Valdosta, Ga.*
 Carter, Marshall Lloyd (*Stanford Univ.*). *Los Angeles, Cal.*
 Cohen, Archibald Clinton, A.B. 1928. *Watertown*
 Comeau, Wilfrid Joseph, Jr., A.B. (*Amherst Coll.*) 1929. *Worcester*
 Corbus, Budd Clarke, Jr., A.B. (*Univ. of Wisconsin*) 1929. *Evanston, Ill.*
 Cozzolino, Eugene Norris, A.B. (*St. John's Coll.*) 1929. *West Haven, Conn.*
 Crile, George Harris, PH.B. (*Yale Univ.*) 1929. *Cleveland, O.*
 Crumay, Hugh Meyers, S.B. (*Mount Union Coll.*) 1929. *Bradford Woods, Pa.*
 Degen, John Alden, Jr., A.B. (*Princeton Univ.*) 1929. *Chestnut Hill*
 Dexter, Smith Owen, Jr., A.B. 1929. *Concord*
 Doak, Alfred Deaderick, A.B. (*Georgetown Coll.*) 1928. *Middlesboro, Ky.*
 Dockweiler, Robert Reeve, S.B. (*Notre Dame Univ.*) 1929. *Los Angeles, Cal.*
 Dunphy, John Englebert, A.B. (*Coll. of the Holy Cross*) 1929. *Northampton*
 Durant, Richard Church, A.B. (*Yale Univ.*) 1928. *Hartford, Conn.*
 D'Urso, John, S.B. (*Villanova Coll.*) 1929. *Laurence*
 Earl, John Robert, A.B. (*Carleton Coll.*) 1929. *St. Paul, Minn.*
 Easton, Mahlon Tracy, A.B. 1929. *Boston*
 Eddy, Maxon Hunter, A.B. (*Yale Univ.*) 1929. *Middlebury, Vt.*
 Emerson, Kendall, Jr., A.B. (*Yale Univ.*) 1929. *New York, N.Y.*
 Ferguson, Charles Foss, A.B. 1929. *Marblehead*
 Gale, Samuel, S.B. (*Tufts Coll.*) 1929. *Mattapan*

‡ Admitted on basis of three years' college work (in several cases work for degree completed).

§ Admitted on basis of four years' college work (in several cases work for degree completed).

- Garber, Jared Young, S.B. (*Louisiana State Univ.*) 1929. Morgan City, La.
 Giesen, Joseph Hubert, S.B. 1929. Faulkton, S.D.
 ‡Greene, Jeremiah Evarts (*Harvard Univ.*). Newton Centre
 Hamilton, James Rachford, A.B. (*Central Coll.*) 1929. Laclede, Mo.
 Hamlin, Edward, Jr., A.B. 1929. Boston
 Harris, Jerome Silvan, A.B. (*Dartmouth Coll.*) 1929. New York, N.Y.
 Hawkins, Ralph Leslie, A.B. (*Stanford Univ.*) 1929. Sheridan, Wyo.
 Hazen, Donald Robert, A.B. (*Amherst Coll.*) 1929. Thomaston, Conn.
 Heyl, Henry Livingston, A.B. (*Hamilton Coll.*) 1928. Clinton, N.Y.
 Hill, Leonard Withington, A.B. (*Oglethorpe Univ.*) 1929. Rochester, N.Y.
 Hill, William Robinson, Jr., A.B. (*Coll. of the Holy Cross*) 1929. Providence, R.I.
 Hosterman, Oliver William A.B. (*Cornell Univ.*) 1929. Buffalo, N.Y.
 Huggins, Victor Spencer, A.B. (*Acadia Univ.*) 1929. Parrisboro', N.S.
 Hunter, Max Robert, S.B. (*Univ. of Washington*) 1929. Seattle, Wash.
 Hyder, Prentiss Lum, A.B. (*Univ. of Texas*) 1929. Memphis, Tex.
 Ingalls, Theodore Hunt, A.B. (*Hamilton Coll.*) 1929. New Hartford, N.Y.
 ‡Ingraham, Hollis Steadman (*Harvard Univ.*). Brookline
 Jackson, Howard Colman, A.B. (*Univ. of Michigan*) 1929. Kalamazoo, Mich.
 ‡Jonas, August Frederick (*Univ. of Wisconsin*). Omaha, Neb.
 Kelley, Robert Reed, A.B. (*Univ. of Illinois*) 1929. Champaign, Ill.
 Kind, Henry Armand, S.B. (*Lafayette Coll.*) 1929. Philadelphia, Pa.
 Lewis, James, A.B. (*Colgate Univ.*) 1929. Holland Patent, N.Y.
 Lichty, Joseph Stoner, A.B. (*Princeton Univ.*) 1929. Clifton Springs, N.Y.
 Lium, Rolf, A.B. (*Carleton Coll.*) 1928. Northfield, Minn.
 Low, Merritt Burnham, A.B. (*Princeton Univ.*) 1929. Bordentown, N.J.
 Lucas, Eldon Arista, S.B. (*Heidelberg Coll.*) 1929. Tiffin, O.
 Lynch, George William, A.B. 1929. Woburn
 Lynn, William Frederic, A.B. (*Univ. of Kansas*) 1929. Tampico, Mex.
 Mack, James Ralph, A.B. 1928. Cincinnati, O.
 Martin, John Walter, Jr., A.B. (*Dartmouth Coll.*) 1929. Baltimore, Md.
 Martin, Samuel Forrest, A.B. 1929. Maryville, Mo.
 Mather, Ralph Wallace, A.B. (*Univ. of Southern California*) 1929. Los Angeles, Cal.
 McKean, George Thomas, A.B. (*Univ. of Michigan*) 1929. Detroit, Mich.
 McKelvey, George McConnell, A.B. (*Dartmouth Coll.*) 1929. Youngstown, O.
 McNamara, Francis Joseph, A.B. (*Boston Coll.*) 1929. Melrose
 Medoff, Edward Bernard, A.B. (*Brown Univ.*) 1929. Woonsocket, R.I.
 Miller, Benjamin Frank, S.B. (*Massachusetts Institute of Technology*) 1928. Fitchburg
 Murphey, Francis, A.B. (*Vanderbilt Univ.*) 1929. Macon, Miss.
 Nash, Newman Curtis, A.B. (*Yankton Coll.*) 1928. Yankton, S.D.
 Nichols, Howard Gage, A.B. (*Dartmouth Coll.*) 1929. Haverhill
 O'Brien, Martin John, S.B. (*R. I. State Coll.*) 1928. Wickford, R.I.
 Olson, Kenneth Barrie, S.B. (*Univ. of Washington*) 1929. Seattle, Wash.
 Parnall, Christopher Gregg, Jr., A.B. (*Amherst Coll.*) 1929. Rochester, N.Y.
 Pitts, William Reid, A.B. (*Duke Univ.*) 1929. Glen Alpine, N.C.
 Prigot, Aaron, A.B. 1928. Roxbury
 Queen, William Foster, A.B. (*Stanford Univ.*) 1929. Louisa, Ky.
 Quigley, Thomas Bartlett, A.B. 1929. Omaha, Neb.
 †Ranson, Stephen William (*Northwestern Univ.*). Evanston, Ill.

† Admitted on basis of two years' college work.

‡ Admitted on basis of three years' college work (in several cases work for degree completed).

- †Reiling, Walter Anthony (*Univ. of Dayton*). Dayton, O.
 Ripley, Herbert Spencer, Jr., A.B. (*Univ. of Michigan*) 1929. Oak Park, Ill.
 Rowe, Carter Redd, A.B. (*Davidson Coll.*) 1928. Fredericksburg, Va.
 Rupp, Charles, Jr., A.B. 1929. Philadelphia, Pa.
 St. Clair, Wade Hampton, Jr., S.B. (*Davidson Coll.*) 1929. Bluefield, W. Va.
 Sanford, Hawley Scager, S.B. (*Northwestern Univ.*) 1929. Rochester, Minn.
 Seely, Hall, A.B. (*Yale Univ.*) 1929. Roseburg, Ore.
 Settlage, Arnold Frederick Ernest, A.B. (*Heidelberg Coll.*) 1929. Cochran, Pa.
 Sewall, Kenneth Wilkins, A.B. (*Bowdoin Coll.*) 1929. Livermore Falls, Me.
 Shepard, Kirk, A.B. (*Univ. of Georgia*) 1927, S.B. (*ibid.*) 1929. Doerun, Ga.
 †Shields, Delmar Oran, A.B. (*Univ. of Missouri*) 1929. New Franklin, Mo.
 Simmons, Fred Albert, Jr., A.B. (*Yale Univ.*) 1929. Boston
 Smith, Harold Diemer, A.B. (*Pomona Coll.*) 1929. Pomona, Cal.
 Soley, Mayo Hamilton, S.B. (*Bowdoin Coll.*) 1929. Malden
 Souders, Carlton Remsburg, S.B. (*Franklin & Marshall Coll.*) 1929. Lancaster, Pa.
 Stewart, Artemas James, A.B. 1929. Lowell
 Stone, Knowlton Davies, A.B. (*Yale Univ.*) 1928. Andover
 Sullivan, Daniel Jeremiah, S.B. 1929. Manchester, N.H.
 Thieme, Elliott Thurston, A.B. (*Univ. of Michigan*) 1929. Ann Arbor, Mich.
 †Thompson, William Graham (*Massachusetts Institute of Technology*). Andover
 Trees, Clyde Beverly, A.B. (*Univ. of Kansas*) 1929. Winfield, Kan.
 Trommald, John Poulsen, S.B. (*Yale Univ.*) 1929. Portland, Ore.
 Turtle, William John, PH.B. (*Brown Univ.*) 1926. Wollaston
 †Underwood, Franklin Judson (*Stanford Univ.*). Portland, Ore.
 Walzer, Leo, A.B. 1929. Cleveland Heights, O.
 Ward, John Langdon, A.B. (*Amherst Coll.*) 1929. Newton Highlands
 Warren, Robert Fiske, A.B. (*Univ. of Michigan*) 1929. Brooklyn, N.Y.
 Weinstein, Abraham, A.B. 1929. Chelsea
 Welch, Oliver William A.B. (*Univ. of Alabama*) 1929. Talladega, Ala.
 Wheatley, George Milholland, S.B. (*Catholic Univ. of America*) 1929. Beverly
 Wheeler, Warren Elwell, S.B. (*Mount Union Coll.*) 1929. Alliance, O.
 Whelan, Charles Stephen, A.B. (*Coll. of the Holy Cross*) 1929. Worcester
 Williams, Seiriol Llewelyn, S.B. (*Hastings Coll.*) 1929. Nanaimo, B.C.
 Wilson, Robert Ory, A.B. (*Princeton Univ.*) 1927. Pleasant Valley, Conn.
 Woodruff, Harry Walter, A.B. (*Dartmouth Coll.*) 1929. Joliet, Ill.
 Yandell, Hays Richman, PH.B. (*Yale Univ.*) 1929. San Antonio, Tex.
 †Youngman, Robert Armstrong (*Univ. of Kansas*). Harveyville, Kan.
 Zeller, John Wallace, A.B. 1929. Sault-Ste-Marie, Mich.
 Zetzel, Louis, A.B. 1929. Chelsea

SUMMARY

CANDIDATES FOR DEGREE OF DOCTOR OF MEDICINE

FOURTH CLASS	137
THIRD CLASS	131
SECOND CLASS	123
FIRST CLASS	125

TOTAL 516

† Admitted on basis of three years' college work (in several cases work for degree completed.)

DISTRIBUTION BY COLLEGES AND PREPARATION OF MEN ADMITTED TO FIRST-YEAR STANDING*

Institutions giving Premedical Training	Location	Admitted on basis of a degree	Admitted on basis of 2, 3, or 4 years' college work	Total
Acadia College	Nova Scotia	2	..	2
Alabama, University of	Alabama	5	..	5
Albion College	Michigan	1	..	1
Amherst College	Massachusetts	12	..	12
Antioch College	Ohio	1	..	1
Arizona, University of	Arizona	1	..	1
Bates College	Maine	2	..	2
Boston College	Massachusetts	7	..	7
Boston University	Massachusetts	1	..	1
Bowdoin College	Maine	6	..	6
Brown University	Rhode Island	14	..	14
Bucknell University	Pennsylvania	1	..	1
Buffalo, University of	New York	1	..	1
California, University of	California	1	1	2
Cambridge University	England	1	..	1
Carleton College	Minnesota	5	..	5
Catholic University of America	Dist. of Columbia	1	..	1
Central College	Missouri	1	..	1
Centre College	Kentucky	2	..	2
Cincinnati, University of	Ohio	1	..	1
Clark University	Massachusetts	1	..	1
Colby College	Maine	1	..	1
Colgate University	New York	4	..	4
Columbia University	New York	6	..	6
Cornell University	New York	6	1	7
Dartmouth College	New Hampshire	9	1	10
Davidson College	North Carolina	5	..	5
Dayton, University of	Ohio	..	1	1
DePauw University	Indiana	3	..	3
Doane College	Nebraska	1	..	1
Duke University	North Carolina	2	..	2
Emory University	Georgia	1	..	1
Florida, University of	Florida	2	..	2
Fordham University	New York	1	..	1
Franklin and Marshall College	Pennsylvania	2	..	2
Georgetown College	Kentucky	1	..	1
Georgetown University	Dist. of Columbia	1	..	1
Georgia, University of	Georgia	2	..	2
Grinnell College	Iowa	2	..	2
Hamilton College	New York	6	..	6
Harvard College	Massachusetts	128	9	137
Hastings College	Nebraska	1	..	1
Haverford College	Pennsylvania	1	..	1
Heidelberg College	Ohio	2	..	2
Holy Cross, College of the	Massachusetts	7	..	7
Illinois, University of	Illinois	5	2	7
Iowa State University	Iowa	..	1	1
Johns Hopkins University	Maryland	1	..	1
Kansas, University of	Kansas	8	1	9
Lafayette College	Pennsylvania	2	..	2
Lehigh University	Pennsylvania	3	..	3
Louisiana State University	Louisiana	1	..	1
Macalester College	Minnesota	1	..	1
Maine, University of	Maine	4	..	4
Maryland, University of	Maryland	1	..	1
Mass. Agricultural College	Massachusetts	2	..	2
Mass. Institute of Technology	Massachusetts	6	..	6
Mercer University	Georgia	2	..	2
Michigan, University of	Michigan	8	..	8
Middlebury College	Vermont	3	..	3

* Students were admitted from certain of these colleges only on the basis of having done additional work at an approved college.

Institutions giving Premedical Training	Location	Admitted on basis of a degree	Admitted on basis of 2, 3, or 4 years' college work	Total
Minnesota, University of	Minnesota	1	..	1
Missouri, University of	Missouri	2	1	3
Montana State Coll. of Agriculture and Mechanic Arts	Montana	2	..	2
Montana, University of	Montana	..	1	1
Mount Union College	Ohio	4	..	4
Nevada, University of	Nevada	1	..	1
New York, College of the City of	New York	2	..	2
New York University	New York	1	..	1
North Carolina, University of	North Carolina	2	..	2
Northwestern University	Illinois	1	1	2
Notre Dame, University of	Indiana	5	..	5
Oberlin College	Ohio	3	..	3
Oglethorpe University	Georgia	1	..	1
Ohio State University	Ohio	2	..	2
Ohio Wesleyan University	Ohio	2	..	2
Oregon, University of	Oregon	2	..	2
Oxford, University of	England	2	..	2
Park College	Missouri	1	..	1
Pennsylvania State College	Pennsylvania	1	..	1
Pittsburgh, University of	Pennsylvania	1	..	1
Pomona College	California	3	..	3
Princeton University	New Jersey	13	2	15
Rhode Island State College	Rhode Island	4	..	4
Rochester, University of	New York	2	..	2
Rutgers College	New Jersey	2	..	2
St. John's College	Maryland	1	..	1
South, University of the	Tennessee	1	..	1
South Dakota, University of	South Dakota	2	1	3
Southern California, University of	California	3	..	3
Southern Methodist University	Texas	..	1	1
Southwestern University	Texas	1	..	1
Stanford University	California	7	6	13
Texas, University of	Texas	4	1	5
Trinity College	Connecticut	1	..	1
Tufts College	Massachusetts	5	..	5
United States Military Academy	New York	1	..	1
Utah Agricultural College	Utah	1	..	1
Utah, University of	Utah	..	1	1
Vanderbilt University	Tennessee	2	..	2
Villanova College	Pennsylvania	2	..	2
Virginia Military Institute	Virginia	1	..	1
Virginia, University of	Virginia	1	..	1
Washington, State College of	Washington	1	..	1
Washington, University of	Washington	5	..	5
Wesleyan University	Connecticut	1	..	1
Westminster College	Pennsylvania	1	..	1
West Virginia University	West Virginia	2	..	2
Whitman College	Washington	2	..	2
Willamette University	Oregon	3	..	3
William and Mary, College of	Virginia	1	..	1
Williams College	Massachusetts	3	..	3
Wisconsin, University of	Wisconsin	8	2	10
Wooster, College of	Ohio	3	..	3
Yale University	Connecticut	24	..	24
Yankton College	Ohio	1	..	1
Totals		456	34	490
Less number counted twice		11	3	14
		445	31	476

DISTRIBUTION BY MEDICAL SCHOOLS AND AMOUNT OF PREMEDICAL PREPARATION OF MEN ADMITTED TO ADVANCED STANDING

School at which study of medicine was begun	Location	Admitted to study of medicine on basis of a degree	Admitted to study of medicine on basis of 2, 3, or 4 years' col- lege work	Total
Alabama, University of	Alabama	1	..	1
California, University of	California	..	2	2
Cambridge University	England	1	..	1
Cincinnati, University of	Ohio	..	1	1
Cornell University	New York	1	..	1
Dartmouth College	New Hampshire	1	3	4
Iowa, State University of	Iowa	..	1	1
Kansas, University of	Kansas	3	1	4
Michigan, University of	Michigan	1	..	1
Minnesota, University of	Minnesota	..	1	1
Missouri, University of	Missouri	1	2	3
North Carolina, University of	North Carolina	2	3	5
North Dakota, University of	North Dakota	..	1	1
Oxford, University of	England	1	..	1
South Dakota, University of	South Dakota	1	..	1
Stanford University	California	..	1	1
Utah, University of	Utah	2	..	2
Washington University	Missouri	1	..	1
Wisconsin, University of	Wisconsin	4	4	8
Yale University	Connecticut	1	..	1
Totals		21	20	41
Less number counted twice		1	..	1
		20	20	40

TOTAL NUMBER OF MEN ADMITTED TO FIRST-YEAR STANDING	476
TOTAL NUMBER OF MEN ADMITTED TO ADVANCED STANDING	40
GRAND TOTAL	516

TEACHING STAFF

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ANNOUNCEMENT FOR 1930-31

The next session of the Medical School begins September 22, 1930. All students who have already matriculated are required to register at the Dean's office on this day. Students registering in the Medical School for the first time will meet in the Amphitheatre in Building C of the Harvard Medical School, on Friday, the 19th of September, at 10 A.M. Students desiring to enter the Harvard Medical School in the first-year class, or with advanced standing, should file an application blank, which can be obtained from the Dean's office in November.

CALENDAR

1930

- Sept. 19, Friday.* Registration of new students.
- Sept. 22, Monday.* **Academic year begins.** Registration of Students. Payment of the first instalment of the tuition fee is required on this date.
- Oct. 13, Monday.* Columbus Day : a holiday.
- Nov. 11, Tuesday.* Armistice Day : a holiday.
- Nov. 27, Thursday.* Thanksgiving Day : a holiday.
- Nov. 29, Saturday.* Payment of the second instalment of the tuition fee is required on or before this date.
- Dec. 1, Monday.* Last day for receiving applications for the Cheever, Haven, and Hayden Scholarships.

RECESS FROM DEC. 23, 1930, TO JAN. 2, 1931, INCLUSIVE

1931

- Jan. 1, Thursday.* New Year's Day : a holiday.
- Jan. 15, Thursday.* Last day for receiving applications from students to be qualified for the degrees of Ph.D. and A.M. in 1931.
- Jan. 30, Friday.* **Second half-year begins.**
- Jan. 30, Friday.* Payment of the third instalment of the tuition fee is required on or before this date.
- Feb. 23, Monday.* Washington's Birthday : a holiday.

March 2, Monday. Last day for receiving applications for the Bullard, James Jackson Cabot, and Moseley Travelling Fellowships.

April 1, Wednesday. Last day for receiving dissertations for the Bowdoin Prizes and the Toppan Biennial Prize.

RECESS FROM APRIL 5 TO APRIL 12, INCLUSIVE

April 20, Monday. Patriots' Day : a holiday.

April 30, Thursday. Payment of the fourth instalment of the tuition fee is required on or before this date.

May 1, Friday. Last day for receiving dissertations for the Dante and Sumner Prizes.

May 1, Friday. Last day for receiving applications for Scholarships for 1931-32 (except the Cheever, Haven, and Hayden Scholarships).

May 1, Friday. Last day for receiving applications of candidates for the degree of M.D. in 1931.

May 30, Saturday. Memorial Day : a holiday.

June 18, Thursday. **Commencement.**

SUMMER VACATION, FROM COMMENCEMENT TO SEPTEMBER 27, INCLUSIVE



JUN 1965

WESBY

